

# American Fruits

International Trade Journal  
of Commercial Horticulture

Circulating Throughout United States, Canada and Abroad  
Featuring Commercial Horticulture in all its Phases of  
Nursery Stock, Orchard, Landscape Planting, Distribution  
Published Monthly by American Fruits Publishing Co., Inc.

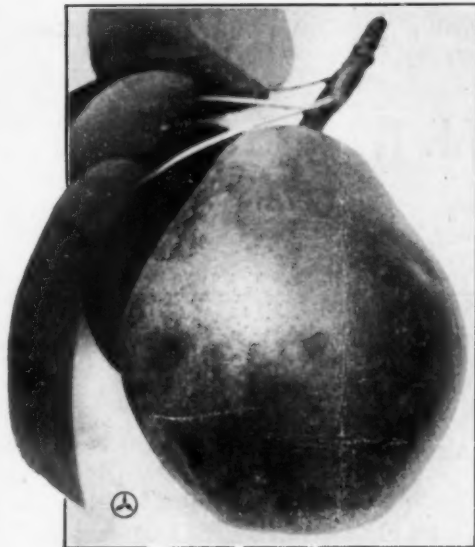
Vol. XXIII

ROCHESTER, N. Y., MARCH, 1916

Number 3

## PAINESVILLE NURSERIES

### FRUIT TREES



Flemish Beauty Pear



Niagara Peach

A  
We have Fruit Trees to sell, — hundreds of thousands of them; trees of finest quality and development, in very complete variety. We are illustrating Sour Cherries, Standard Pears, Peaches, and European Plums in this ad., because we are stronger on them just at this time.

Perhaps many other Nurserymen who read this will say, "So are we". Well, let's get busy and sell them.

The whole purpose of this particular message, is (aside from reference to the well established S. & H. Co. quality and grade)—to remind those Nurserymen who have lesser acreage, fewer varieties and a more limited scope, that—

B  
The Painesville Nurseries are in a position to fill out your requirements for Orchard, Street, Lawn, Garden, Border or Conservatory

ON A SINGLE ORDER

It saves time—freight—  
and worry!



BRADSHAW



Sour Cherries—Early Richmond

## The Storrs and Harrison Co.

Established  
1854

NURSERYMEN - - - FLORISTS - - - SEEDMEN  
PAINESVILLE, OHIO

1200 Acres  
48 Greenhouses

# A Complete Variety List

Ornamentals

Fruits

Roses

Evergreens

Clematis

Herbaceous

Plants

Nurserymen

Dealers

Orchardists

Gardeners

And

Landscape

Architects

Lowest Prices Consistent With Quality

Our office and nurseries are situated on  
the Rochester and Eastern R. R. only  
one and one-half hours from Rochester.

## W. & T. SMITH COMPANY

THE GENEVA NURSERY

1000 Acres GENEVA, N. Y. 67 Years

## We Offer for Spring 1916

300,000 Apple, 2 and 3 year, splendid trees

75,000 Cherry, 2 years, none better

200,000 " 1 year, fine

40,000 Pear, 1 and 2 year, fine

40,000 Plum, 1 and 2 year, fine

Also large stock of Elm, Norway, Sugar, Soft  
Maple, Catalpa Bungei and a general assortment  
of other ornamental trees, shrubs, hedge plants,  
perennials, small fruits, etc.

We can furnish ornamental trees in almost  
any size wanted.

A fine growing season, a fine lot of stock

## C. M. HOBBS & SONS

MARION CO.

BRIDGEPORT, IND.

## The Best Tree Digger on Earth



Write for Descriptive Circular and Prices

## STARK BROS.

Nurseries and Orchards Companies

LOUISIANA MO.

## WE CAN USE

CALIFORNIA PRIVET

AMOO RIVER PRIVET

SHRUBS, Staple varieties

ROSES, field grown

IN EXCHANGE FOR

PEACHES, 1 year

No. 1	Med.	No. 1	Med.
Admiral Dewey... 1545		Fox Seedling... 1300	425
Alexander... 700		Greensboro... 935	
Beer's Smock... 3140	1800	Lamont... 2410	795
Belle of Georgia... 1895	300	Mayflower... 2310	
Bokahra... 1275		Morris White... 1425	1140
Carman... 3800	790	Mountain Rose... 1595	550
Chair's Choice... 1370	985	Niagara... 2510	1040
Champion... 970	560	Old Mixon Free... 1695	715
Crosby... 3265	710	Salway... 3340	930
Crawford Early... 3120	2520	Stump-the-World... 1035	860
Crawford Late... 1780	1850	Triump... 240	
Elberta... 6500	4100	Wheatland... 310	60
Fitzgerald... 640		Yellow St. John... 400	
Foster... 755			

CURRENTS, 2 years, extra fine

No. 1 grade	Medium grade	No. 2 grade
Black Champion... 3300	475	600
Black Victoria... 1780	450	1150
Boskoop Giant... 1780		285
Cherry... 14000		1950
Fay's Prolific... 1200	200	17600
Lee's Prolific... 345		925
Perfection... 1400		4800
President Wilder... 725	100	1400
Red Cross... 6800	5500	1200
White Grape... 6800		4900

GOOSEBERRIES, 2 years, strong plants

No. 1 grade	Medium grade	No. 1 grade
Downing... 7200	2700	2025
Houghton... 9000	1475	210

## JACKSON & PERKINS COMPANY

NEWARK, NEW YORK STATE

# American Fruits Monthly Guide for Purchasers

Rate for Announcements in this Department: 25 cents per line; minimum charge \$1.00 per issue.

## GENERAL NURSERY STOCK

### ALABAMA

**HUNTSVILLE WHOLESALE NURSERIES.**—Apples, pears, plums, peaches, cherries, roses, pecans and magnolia grandiflora. Send for price list.

### CONNECTICUT

**C. R. BURR & CO., MANCHESTER.**—Berberis, Thunbergii Seedlings a Specialty. Large Stock in All Grades. General Line of Nursery Stock.

### INDIANA

**GRAY'S NURSERIES, SALEM, IND.**—Blackberry Root Cuttings, small fruit plants, and peach trees. Extra quality at extremely low prices. Price list and samples free.

**C. M. HOBBS & SONS, BRIDGEPORT, IND.**—General line of fruit and ornamental nursery stock. Can furnish ornamental trees in almost any size wanted.

### MARYLAND

**J. G. HARRISON & SONS, BERLIN.**—General line of nursery stock. Great variety of small fruits. Strawberries a specialty. Evergreens, too.

### MASSACHUSETTS

**BAY STATE NURSERIES, NORTH ABINGTON.**—Assortment of Trees, Shrubs, Vines, Roses, Herbaceous Perennials, etc.

### MICHIGAN

**I. E. ILGENFRITZ'S SONS CO., MONROE.**—Growers and dealers. Standard fruit trees, dwarf fruit trees, small fruits, ornamentals, shade trees. Employ agents, issue catalogues.

### MISSOURI

**STARK BROS. NURSERIES AND ORCHARDS CO., LOUISIANA.**—General line of nursery stock in large quantities and variety. Nurseries east, west and south. Quotations promptly submitted.

### NEW YORK

**JACKSON & PERKINS COMPANY, NEWARK.**—Ornamentals, roses, clematis, tree ferns, perennials, etc. Agents for foreign houses selling French fruit tree seedlings. Belgian Azaleas, exotic plants, etc. Wholesale only.

**AUGUST ROLKER & SONS, N. Y. CITY.**—Importers of General Nursery Stock, Rhododendrons, Roses and Hardy Bulbs for the Nursery Trade. Address P. O. Box 752, or 51 Barclay Street.

**Commercial Nursery Co., Winchester, Tenn.**  
Branch Nurseries, Monticello, Fla.

We grow Pear, Peach, Plum, Apple, Apricot and General Nursery Stock; as good as can be grown. The best Paper Shell Pecans, Satsuma Oranges, Figs and Japan Persimmons at our branches. Write for prices.

## NO MATTER WHAT

Periodicals you are taking you cannot afford to be without "American Fruits" declared by leading Nurserymen throughout the country to be beyond question the most able and valuable Nursery Trade Journal published.

Twelve and one-half cents a month by the year.

## OUR NEW

**Credit and Information List** appearing in January, 1916, will be the best ever issued. It will contain credit ratings on about 5000 people. Subscribe now before the edition is exhausted. For particulars write National Florists' Board of Trade, 56 Pine Street, New York City.

## RETAIL NURSERY BUSINESS

**RETAIL NURSERY BUSINESS FOR SALE.**—Located within 50 miles of St. Paul and Minneapolis (the garden spot of the northwest). A growing mail order trade (17 years established) with an enviable reputation. Exceptional opportunity for live man with some experience and capital. Will sell whole or part interest to right party; with or without land; modern buildings and good general stock. Nursery, care American Fruits

**W. & T. SMITH CO., GENEVA.**—Highest grade stock of Fruit and Ornamental trees, Shrubs, Roses, Evergreens, Vines, etc. Catalogs. LOWEST PRICES CONSISTENT WITH QUALITY.

**JOHN WATSON, NEWARK.**—Ornamentals; Apple Seed; Kansas Apple Seedlings; Fruit Tree Seedlings, Manetti Rose Stocks from prominent French grower.

**RICE BROTHERS CO., GENEVA.**—Large growers of APPLE, PEAR, PLUM, PEACH, CHERRY, QUINCE, APRICOT and ORNAMENTAL TREES, SHRUBS, ROSES. Let us quote Carload or less.

### OHIO

**STORRS & HARRISON CO., PAINESVILLE.**—Growers of everything that makes a complete nursery. Issue catalogues and price lists. Wholesale and retail. Specialists in whatever we propagate.

**P. D. BERRY, DAYTON, O.**—Berry plants, rhubarb, horseradish, privet, barberry, peonies, black currant cuttings, gooseberry rooted layer plants, spires, etc.

### TENNESSEE

**RIVERVIEW NURSERY, McMINNVILLE.**—Forest and Ornamental Seedlings. Seeds, Shrubs, Trees, etc., at special low prices.

### VIRGINIA

**W. T. HOOD, RICHMOND.**—California privet. General line of high grade nursery stock.

## SEEDLINGS, ETC.

### KANSAS

**J. H. SKINNER & CO., TOPEKA.**—Fruit and ornamental trees and shrubs. Apple and pear seedlings. Forest tree seedlings.

**F. W. WATSON & CO., TOPEKA.**—Japan Pear Stocks and Apple Seedlings, United States Grown, Produced and Handled with Utmost Care. Particular as to Grades and Quality.

### KENTUCKY

**WILLADEAN NURSERIES, SPARTA.**—Lowest prices on ornamental trees, shrubs and tree seedlings. Catalpa Speciosa or Black Locust Seedlings in any quantity.

## SEEDS

**WAIT!** Before ordering get our 1916 pure seed book. Printed in four colors; describes our Royal Purple Grand Champion, Pure, Tested field vegetable and all flower seeds, fruit trees, vines, shrubs, plants at lowest wholesale cut prices. **GALLOWAY BROS., Waterloo, Iowa.**

**WANTED.**—A man with some experience in seeds, to take charge of a seed department. State salary expected and experience you have had. **THE J. C. ADLER CO., Joliet, Ill.**

## \$5 Nursery Directory for \$1

Only exclusive Nursery Directory published. Every State; Canada and Foreign. Based on official sources. Revised to date. "Worth \$5.00 of any man's money."—John Watson, Newark, N. Y. Sent postpaid for \$1.00

American Fruits Pub'g. Co., Rochester, N. Y.

Publishers of

**AMERICAN FRUITS—THE NURSERY TRADE JOURNAL**

## CHERRIES, ETC.

### INDIANA

**W. C. REED, VINCENNES.**—Cherry trees, one and two year. General line of other stock.

**H. M. SIMPSON & SONS, VINCENNES.**—Cherry trees a specialty; one and two years old.

## SMALL FRUITS

### NEW YORK

**T. S. HUBBARD CO., FREDONIA.**—Longest Established growers Grape Vines. Largest stock in United States. Also Currants, Gooseberries, Blackberries.

### OHIO

**WICK HATHAWAY, MADISON, O.**—Raspberry Strawberry, Currant and Gooseberry Plants. Grape-vines. Small Fruits a Specialty.

**W. N. SCARFF, NEW CARLISLE.**—Everything in small fruit plants. Ask for price list. Large stock and great variety.

## SUPPLIES

**BENJAMIN CHASE CO., DERRY, N. H.**—All kinds of labels for nurserymen's use. Samples and prices submitted upon application.

**DAYTON FRUIT TREE LABEL CO., DAYTON, O.**—Labels of all kinds for nurserymen's use. Samples and prices upon application.

## FOREIGN NURSERY STOCK

### FRANCE

**BARBIER & CO., ORLEANS.**—Fruit tree stocks and ornamental stocks. Wholesale trade list free.

**E. TURBAT & CO., NURSERYMEN, ORLEANS, FRANCE.**—Grow all outdoors. Nurseries stocks; Fruit, Ornamental and Forest. Enormous stocks of Rose Trees. Wholesale list on demand. Our wholesale catalogue which is exceedingly interesting, principally for Ornamentals, is ready and has been posted to our customers. If you have not received it please apply for it.

### HOLLAND

**FELIX & DYKHUIS, BOSKOOP.**—High grade Boskoop Nursery stock of any description. Illustrated catalogue free.

**KEESENS' TERRA NOVA NURSERIES, AALSMEER.**—Specialty BUXUS in all shapes and General hardy Nursery Stocks. Address **AUGUST ROLKER & SONS, N. Y. City, 51 Barclay St.**

**BERRY PLANTS**, of all kinds, better than many, just as good as any and at one half usual wholesale prices. We grow the plants we sell and guarantee them to be true to name and to give satisfaction. Send for price list.

## SELIGMAN PLANT COMPANY

SELIGMAN, NO.

## NOTICE

To all American Nurserymen and Seedmen desiring to keep in touch with commercial horticulture in England and the continent of Europe—Your best means of doing this is to take in the

## HORTICULTURAL ADVERTISER

Our circulation covers the whole trade in Great Britain and the cream of the European firms. Impartial reports of all novelties, etc. Paper free on receipt of 75 cents, covering cost of postage yearly. As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trade.

Established 1883

**A & C. PEARSON, Lowdham, Nottingham, Eng.**

## FOR SPRING OF 1916

We offer more than our usual supply of One and Two Year Apple Trees. We still have a large lot of Scions to offer. Write for prices. **JOHN A. CANNEDY NURSERY & ORCHARD CO., Carrollton, Ill.**

# FRUIT TREE STOCKS

Our wholesale trade list, quoting prices for all sizes and sorts of fruit tree stocks, as well as

# ORNAMENTAL STOCKS

is mailed free on application. In case you have not received it, ask for the same.

WE HAVE NO AGENTS

TRANSON BROTHERS & D. DAUVESSE'S NURSERIES

## BARBIER & COMPANY, Successors

16 Route d'Olivet

WRITE DIRECT TO US

Orleans, France



# American Fruits Directory of Organizations

## HORTICULTURAL ORGANIZATIONS

**American Peony Society**—A. P. Saunders, Clinton, N. Y.  
**American Association for Advancement of Science**—L. O. Howard, Smithsonian Institute, Washington, D. C.  
**American Association of Park Superintendents**—J. J. Levison, Brooklyn, N. Y.  
**American Genetic Association**—G. M. Rommel, Washington, D. C.  
**American Pomological Society**—Pro. E. R. Lake, 2033 Park Road, Washington, D. C.  
**American Society of Landscape Architects**—Aling S. DeForest, Rochester, N. Y.  
**American Rose Society**—Benjamin Hammond, Beacon, N. Y.  
**American Seed Trade Association**—C. E. Kendel, Cleveland, O.  
**British Horticultural Trades Association**—Charles E. Pearson, Lowdham, Notts, England.  
**California Walnut Growers' Association**—C. Thorpe, Los Angeles, Cal.  
**California Almond Growers' Exchange**—T. C. Tucker, San Francisco, Cal.  
**Eastern Fruit Growers' Association**—T. B. Symons, College Park, Md.  
**Georgia-Florida Pecan Association**—W. W. Bassett, Monticello, Fla.  
**International Apple Shippers' Association**—R. G. Phillips, Rochester, N. Y.  
**Mississippi Valley Apple Growers' Society**—James Handly, Quincy, Ill.  
**Missouri Valley Horticultural Society**—A. V. Wilson, Kansas City, Mo.  
**National Pecan Growers' Exchange**—W. P. Bullard, Albany, Ga.  
**National Nut Growers' Association**—W. P. Bullard, Albany, Ga.  
**Northern Nut Growers' Association**—Dr. W. C. Deming, Georgetown, Conn.  
**Ontario Fruit Growers' Association**—P. W. Hodgetts, Toronto, Canada.  
**Ornamental Growers' Association**—C. J. Malloy, Rochester, N. Y.  
**Royal Horticultural Society**—Rev. W. Wilks, Vincent Sq., London, S. W., England.  
**Railway Gardening Association**—W. F. Hutchinson, Sewickley, Pa.  
**Society for Horticultural Science**—C. P. Close, Washington, D. C.  
**Society of American Florists and Ornamental Horticulturists**—John Young, New York.  
**Union Horticole Professionnelle Internationale**—C. Van Lennep, The Hague, Holland.  
**Western Walnut Association**—H. V. de Orenco, Ore.

## AMERICAN ASSOCIATION OF NURSERYMEN.

**Next Convention:** Milwaukee, June 28-30 1916.  
**Officers**—President, E. S. Welch, Shenandoah, Ia.; Vice-President, John Watson, Newark, N. Y.; Secretary, John Hall, Rochester, N. Y.; Treasurer, Peter Youngers, Geneva, Neb.  
**Executive Committee**—J. R. Mayhew, Waxahachie, Tex.; Henry B. Chase, Chase, Ala.; J. B. Pilkington, Portland, Ore.; Lloyd C. Stark, Louisiana, Mo.; J. H. Dayton, Painesville, O.; Theodore J. Smith, Geneva, N. Y.; E. S. Welch, Shenandoah, Ia.; and John Watson, Newark, N. Y.

### COMMITTEES

**Arbitration**—W. C. Reed, Vincennes, Ind., Chairman  
**Arrangements and Entertainment**—T. J. Ferguson, Kaukauna, Wis.  
**Program**—Lloyd C. Stark, Louisiana, Mo.  
**Exhibits**—Albert F. Meehan, Dresher, Pa.  
**Editing Report**—John Hall, Rochester, N. Y.  
**Finance**—John H. Dayton, John Watson, Theodore J. Smith.  
**Publicity**—J. R. Mayhew, Lloyd C. Stark.  
**Membership**—Will B. Munson, chairman, Denison, Texas, M. McDonald, Orenco, Ore., Pacific Coast States, Geo. A. Marshall, Arlington, Nebr., Middle Western States, Harry D. Simpson, Vincennes, Ind., Central States, Paul C. Lindley, Pomona, N. C., Southeastern States, Albert F. Meehan, Dresher, Pa., Eastern States, Chas. H. Breck, 55 Franklin St., Boston, Mass., New England States.  
**Legislation East of Mississippi River**—Wm. Pitkin, Rochester, N. Y.  
**Legislation West of Mississippi River**—Peter Youngers, Geneva, Nebraska.  
**Tariff**—Irving Rouse, Rochester, N. Y.  
**Root Gall**—E. A. Smith, Lake City, Minn.  
**Transportation**—Charles Sizemore, Louisiana, Missouri.

### STATE AND DISTRICT ASSOCIATIONS

**American Nurserymen's Protective Association**—President, Irving Rouse, Rochester, N. Y.; Secretary, Thomas B. Meehan, Dresher, Pa. Meets annually in June.  
**American Retail Nurserymen's Protective Association**—President, H. W. Marshall, Arlington, Neb.; Secretary, Guy A. Bryant, Princeton, Ill. Meets annually in June.  
**Association of Oklahoma Nurserymen**—President, P. A. Vought, Holdenville, Okla.; Secretary, Jim Parker, Tecumseh, Okla.  
**British Columbia Nurserymen's Association**—President, C. Ricardo, Vernon; Secretary, Wm. A. Ellis, Vancouver.  
**Connecticut Nurserymen's Association**—President, W. E. Campbell, New Haven; Secretary, F. L. Thomas, Manchester.

**California Nurserymen's Association**—President, John S. Armstrong, Ontario; Secretary, H. W. Kruckeberg, Los Angeles.  
**Canadian Association Nurserymen**—President, E. D. Smith, Winona, Ont.; Secy., C. C. F. Morden, Niagara Falls, Ont.

**Idaho Nurserymen's Association**—President, Anton Diederichsen, Payette, Idaho; Secretary-Treasurer, J. F. Littoo, Boise, Idaho.  
**Massachusetts Nurserymen's Association**—President, W. H. Wyman, N. Abington; Secretary, A. E. Robinson, Bedford.

**Mississippi Nurserymen's Association**—President, Theo. Bechtel, Ocean Springs; Secretary, R. W. Harned, Agricultural College.

**Montana Nurserymen's Association**—E. A. Calmettes, Helena, Mont.

**New England Nurserymen's Association**—President, G. C. Thurlow, W. Newbury, Mass; Secretary, D. A. Clarke, Fiskeville, R. I.

**New York State Nurserymen's Association**—President, Edward S. Osborne, Rochester, N. Y.; Secy., H. B. Phillips, Rochester, N. Y.

**Northern Nurserymen's Association**—Secretary E. A. Smith, Lake City, Minn.

**Ohio Nurserymen's Association**—President, W. N. Scarff, New Carlisle; Secretary, W. B. Cole, Painesville, O.

**Oregon-Washington Association of Nurserymen**—President, C. F. Breithaupt, Richland, Wash.; Secretary-Treasurer, C. A. Tonneson, Tacoma.

**Pacific Coast Association of Nurserymen**—President, S. A. Miller, Milton, Ore.; Secretary-Treasurer, C. A. Tonneson, Tacoma, Wash. Meets annually in June.

**Pennsylvania Nurserymen's Association**—Pa., Secretary, Henry T. Moon, Morrisville, Pa.

**Southern Nurserymen's Association**—President, A. I. Smith, Knoxville, Tenn.; Secretary-Treasurer, O. Joe Howard, Pomona, N. C.

**Tennessee Nurserymen's Association**—Secretary, G. M. Bentley, Knoxville, Tenn.

**Texas Nurserymen's Association**—President, Will B. Munson, Denison; Secretary-Treasurer, John S. Kerr, Sherman.

**Virginia Nurserymen's Association**—President, N. L. Shreckhise, Augusta; Secretary, C. D. Werger, Rockingham.

**Western Association of Nurserymen**—President, Lloyd C. Stark, Louisiana, Mo.; Secretary-Treasurer, George W. Holsinger, Rosedale, Kan. Meets in January at Kansas City.

## After All

Quality isn't everything. There's the question of service.  
 Poor packing and delays in transit have ruined lots of good stock.  
 We pack well—and—You can avoid the delays by using  
 Our CARLOAD FREIGHT SERVICE  
 We will have through cars to the following distributing points for re-shipment to surrounding territory

Distribution Point	Shipping Date	Distribution Point	Shipping Date	Distribution Point	Shipping Date
St. Louis, Mo.	Early March	Ft. Wayne, Ind.	March 30	Minneapolis, Minn.	April 12
Chicago, Ill.	" "	Toledo, Ohio	" 30	Portland, Me.	" 12
Kansas City, Mo.	March 25	Cleveland, Ohio	" 31	Mackinaw, Mich.	" 13
Roanoke, Va.	" 27	Johnstown, Pa.	April 3	Green Bay, Wis.	" 14
Charleston, W. Va.	" 27	Milwaukee, Wis.	" 5	Nashua, N. H.	" 15
St. Louis, Mo.	" 28	Detroit, Mich.	" 5	Springfield, Mass.	" 17
East St. Louis, Ill.	" 28	New Haven, Conn.	" 6	Pittsfield, Mass.	" 17
Sutton, W. Va.	" 28	Jackson, Mich.	" 6	Lewiston, Me.	" 17
Des Moines, Ia.	" 28	Hartford, Conn.	" 7	Brattleboro, Vt.	" 17
Rock Island, Ill.	" 29	Lansing, Mich.	" 7	White River, Vt.	" 17
Clarksburg, W. Va.	" 29	Taunton, Mass.	" 8	Wells River, Vt.	" 18
Cumberland, Md.	" 29	Grand Rapids, Mich.	" 8	Burlington, Vt.	" 18
Terre Haute, Ind.	" 29	Worcester, Mass.	" 10	Waterville, Me.	" 18
Indianapolis, Ind.	" 29	Ashley, Mich.	" 10	Bangor, Me.	" 19
Columbus, Ohio	" 30	Boston, Mass.	" 11		
Chicago, Ill.	" 30	Saginaw, Mich.	" 11		

Look over our March 1st list. If you are not getting our Surplus Bulletins regularly, drop us a card and we'll see that you do.

## CHASE BROTHERS COMPANY

### THE ROCHESTER NURSERIES

"Growers of Quality Stock"

Established 1857

ROCHESTER, N. Y.



## AMERICAN FRUITS MAGAZINE---March, 1916

**EDITORIAL DEPARTMENT**—Communications on any subject connected with Commercial Horticulture, Nurseries or Arboriculture are cordially invited by the Editor; also articles on these subjects and papers prepared for conventions of Nursery or Horticultural associations. We also shall be pleased to reproduce photographs relating to these topics, Orchard Scenes, Cold Storage Houses, Office Buildings, Fields of Stock, Specimen Trees and Plants, Portraits of Individuals, etc. All photographs will be returned promptly.

**ADVERTISING**—First advertising forms close on the 20th of each month; last advertising forms on the 22d. If proofs are wanted, copy should be on hand on the 15th. Advertising rate is \$1.40 per column-width inch.

"AMERICAN FRUITS" is distinctive in that it reaches an exceptional list and covers the field of the business man engaged in Commercial Horticulture—the carlot operator. Here is concentrated class circulation of high character—the Trade Journal of Commercial Horticulture, quality rather than quantity.

"AMERICAN FRUITS" will not accept advertisements that do not represent reliable concerns.

**SUBSCRIPTIONS**—"AMERICAN FRUITS" will be sent to any address in the United States for \$1.50 a year; to Canada or abroad for \$2.00 a year. Add ten cents unless bank draft, postal or express money order is used.

**WHAT THIS MAGAZINE STANDS FOR**—Clean chronicling of commercial news of the Orchard, Field and Nursery. An honest, fearless policy in harmony with the growing ethics of modern business methods.

Co-operation rather than competition and the encouragement of all that makes for the welfare of the trade and of each of its units.

Wholesome, clean-cut, ring true independence.

**INDEPENDENT AND FEARLESS**—"AMERICAN FRUITS" is not the official journal of any organization. It therefore makes no distinction in favor of any. It is untrammelled in its absolutely independent position and is the only publication of the kind.

This Magazine has no connection whatever with a particular enterprise. Absolutely unbiased and independent in all its dealings.

Though it happens that its place of publication is in the eastern section of the country, it is thoroughly National in its character and International in its circulation.

Its news and advertising columns bristle with announcements from every news corner of the Continent.

It represents, as its name implies, the Fruits of American industry in one of the greatest callings—Commercial Horticulture in all its phases of Nursery Stock, Orchard and Landscape Planting and Distribution.

### AMERICAN FRUITS PUBLISHING COMPANY, INC.

Ralph T. Olcott, Editor and Manager.

123-125 Ellwanger & Barry Bldg., Rochester, N. Y.

## Timely Articles on Commercial Horticulture in This Issue

Pioneers In Iowa Horticulture	M. J. Wragg	62	Problems In Fruit Growing	Dean B. T. Galloway	71
Tennessee Nurserymen's Meetings		61	Digging Trees With Gasoline	B. J. Vandervort	66
Empire State Fruit Industry	William C. Berry	63	New England Nursery Association		68
Eastern Fruit Growers Meet		63	Big Deposits of Fertilizer	William C. Redfield	74
Nursery Trade Terms	E. P. Bernardin	70	California Fruit Acreage		74
To Employ Fruit Expert		70	The Milwaukee Convention	John Hall	74
Efficiency Committee at Work		70	To Swap Seasonal Fruits		74
American Seedling Industry		70	Big Michigan Small Fruits Center		76
Idaho Horticultural Society	E. F. Stephens	65	Everbearing Strawberries Feature		64
American Nursery Stock in Brazil	Consul Gottschalk	71	New President, N. E. N. A.		66
Laws On Nursery Stock Sales		71	Connecticut Nurserymen In Session	F. L. Thomas	78

## Classified Business Announcements In This Issue

American Forestry Co.	Ornamental Stock	83	Huntsville Wholesale Nurs.	General Nursery Stock	Cover
American Nut Journal	Nut Industry	Cover	Igenfritz, Sons Co., I. E.	General Nursery Stock	69
Atlantic Nursery Co.	Ornamental Nursery Stock	83	Ingels, Irvin	Polish Privet	81
Audubon Nurseries	Ornamental Nursery Stock	81	Jackson & Perkins Co.	Ornamental Stock	Cover, 67
Aurora Nursery Co.	General Nursery Stock	81	Jayne & Baker	General Nursery Stock	83
Bailey's Cyclopedia	Reference Work	67	Jones & Son, J. W.	Small Fruits Plants	77
Barbier & Company	Ornamental Nursery Stock	57	Josselyn Nursery Company	Grape Vines, Berries, Currants	77
Bauer, J. A.	Strawberry Plants	77	Landscape Architecture	By Samuel Parsons	81
Bay State Nurseries	Ornamental Nursery Stock	81	Levasseur & Sons	French Nursery Stock	67
Brand Nursery Co.	Ornamental Stock	83	Lindley Nursery Co., J. Van. N. C.	Peach Seed	81
Bellis, D. A.	Grape Cuttings	84	Louis Leroy's Nurseries	French Nursery Stock	67
Bernardin, E. P.	General Nursery Stock	69	Maney & Sayre Inc.	General Nursery Stock	73
Berry, P. D.	Small Fruits Plants	77	Mount Arbor Nurseries	General Nursery Stock	75
Berckmans Co., P. J.	Ornamental Nursery Stock	73	McBeth, Thomas A.	Arbor Vitae	83
Borgo, Michael N.	Small Fruits Plants	77	McNair, C. W.	General Nursery Stock	73
Buntings' Nurseries	Small Fruits Plants	79	Nat. Florists' Board of Trade	Collection Accounts	57
Burr & Company, C. R.	Berberis Thun. Seedlings	73	Norman, T. R.	Clematis and Shrubs	81
Citrus Heights Nur. Co.	Citrus Trees	67	Onarga Nursery Co.	Lining Out Stock	83
Commercial Nursery Co.	General Nursery Stock	57	Palisades Nurseries	Ornamental Stock	69
Chase Brothers Co.	General Nursery Stock	58	Peters, Charles M.	Grape Vines	77
Chase Company, Benjamin	Nursery Labels	67	Planter's Nursery Co.	General Nursery Stock	69
Cole, W. B.	Small Fruits	73, 75	Portland Wholesale Nur. Co.	General Nursery Stock	73
Conard & Jones Company	How to Grow Roses	83	Reed, W. C.	Cherry, Pear, Apple, Peach	Cover
Dayton Fruit Tree Label Co.	Nursery Labels	67	Retail Nursery For Sale	See Monthly Guide	57
Detriche, Sr., Charles	French Nursery Stocks	67	Rolker & Sons, August	Imports European Stock	67
Delaunay, F.	French Nursery Stock	67	Rochester Litho Co.	Plate Books, Catalogues	67
Dintelmann, L. F.	Bulbs and Fruit Trees	69	Roesch, Lewis	Small Fruits Plants	79
Directory of Nurserymen	Lists by States	57	Seligman Plant Co.	Small Fruits Plants	57
Donaldson Company	Ornamental Nursery Stock	Cover	C. K. Sober	Sober Paragon Chestnuts	67
Encyclopedia of Hort.	Reference Work	84	Scarff, W. N.	Small Fruit Plants	77
Farmer, L. J.	Strawberries	77	Simpson & Sons, H. M.	Cherry Trees	73
Farmers Nursery Co.	General Nursery Stock	69	Skinner & Company	General Nursery Stock	73
Florida N. & T. Co.	Pecan Trees	69, 83	Smith Company, W. & T.	General Nursery Stock	Cover
Forest Nursery & Seed Co.	Ornamental Nursery Stock	81	Sunny Slope Nur.	General Nursery Stock	69
Foster-Cooke Co.	Grapes, Currants, Gooseberries	77	Spooner & Sons, S.	English Nursery Stock	67
Franklin Davis Nursery Co.	General Nursery Stock	73	Stark Bros. N. & O. Co.	General Nursery Stock	Cover
Gardner Nursery Company	Everbearing Strawberries	77	Storrs & Harrison Co.	General Nursery Stock	Cover
Griffith, R. B.	Grapes, Currants, Gooseberries	79	Taylor & Sons	General Nursery Stock	66
Hall, John W.	Small Fruits Plants	77	Turbat & Company	French Nursery Stock	66
Harrison & Sons, J. G.	General Nursery Stock	Cover	Watson & Company, F. W.	Apple and Pear Seedlings	60
Hathaway, Wick	Small Fruits Plants	77	Watson, John	Ornamental Nursery Stock	75
Henry, D. H.	General Nursery Stock	69	Winfield Nursery Co.	Pedigreed Trees, Scions	69
Hill Nursery Co., D.	Evergreen Specialists	83	Wild Bros. Nursery Co.	Peonies, Mallow Marvels	79
Hobbs & Sons, C. M.	General Nursery Stock	Cover	Whiting Nursery Co.	Ornamental Nursery Stock	81
Hood & Company, W. T.	General Nursery Stock	75	Wolverine Co-Op. N. Co.	Surplus Stock	69
Horticultural Advertiser	British Trade Paper	57	Waxahachie Nursery Co.	General Nursery Stock	75
Hubbard Company, T. S.	Grape Vines, Currants, Berries	79	Youngers & Co.	General Nursery Stock	69
			MONTHLY GUIDE	Classified Advertisements	57

# APPLE SEEDLINGS

We have a moderate supply of Apple Seedlings--all grades.

Can supply 230,000 Extra heavy No. 1 straight grade.

180,000 Heavy No. 2, 2 1-2 to 3 1-2 16 straight grade.

For budding stocks we can furnish some fine 1-4 inch and up branched roots--3-16 and all up branched roots--and heavy No. 2, 2 1-2 to 3 1-2 16 branched roots.

For lining out have some extra heavy No. 3 stocks.

We have no damaged or infected stocks to offer at cut rate prices. All our stocks are healthy, clean, vigorous and are the best that are on the market today.

We guarantee arrival at your station in perfect condition.

It is cheapest to plant the best.

## F. W. Watson & Co.

Topeka, Kansas.

Apple and Pear Seedling Specialists.



# American Fruits

## Commercial Horticulture, Nurseries and Arboriculture

Entered August 4, 1904, at Rochester, N. Y., Post Office as second-class mail matter

Vol. XXIII

ROCHESTER, N. Y., MARCH, 1916

No. 3

### Tennessee Nurserymen In Annual Session

The Tennessee State Nurserymen's Association met in Nashville, President J. H. Austin, Antioch, presiding. Mr. Austin said perhaps the cheerful looks he saw in the faces before him had been wrought by changed conditions since 1914. The year 1915, he said, was a hard year for nurserymen, as it was to almost all other classes. During the year 1915 it was even harder to sell trees than in 1914, but collections were good and that helped a whole lot, even though the nurserymen sold fewer trees. The European war had resulted in large sales of almost everything and times were now fairly prosperous. He predicted a good year for nurserymen in Tennessee.

#### COMMITTEES APPOINTED

Prof. G. M. Bentley, secretary and treasurer, submitted his annual report, which was received and ordered filed.

E. W. Chattin, C. A. Schier and A. I. Smith were appointed a committee on nominations.

The legislative committee was named, as follows:

E. W. Chattin, H. M. Templeton, Harry Nicholson, J. C. Hale, A. I. Smith, Percy Brown, W. M. Wood, A. A. Newson and H. A. Morgan.

#### COMMISSIONER BRYSON SPEAKS

Commissioner of Agriculture H. K. Bryson spoke of the relations of the agricultural department to the nursery business and pledged the co-operation of his department to the nurserymen of the state. He stressed the importance of co-operation and urged everybody concerned to pull together for the common good. He said that one important step toward the success of the nurserymen would be to organize their communities. He said this community interest would go far toward solving the question of a market, and when a market is found, then the people would buy nursery stock, for they would know that there was a chance to grow fruit at a profit.

#### COST OF SOUTHERN TREE

A. I. Smith of Knoxville, discussed the cost of a southern grown tree. He said all nurserymen had been farmers, and all knew that all farming in the South was lacking in business system, this explaining why Tennessee nurserymen were so unmethodical in their business. He said that with cheaper labor and superiority of climate the Tennessee nurserymen should be able to produce a superior tree at less cost than in any other state in the Union.

#### GRADING OF TREES

John L. Jones of Columbia discussed the subject, "Is a Uniform System of Grading Practicable?" He said there is but one grade in nursery stock, or should be but one, and that is a first-class tree. Nurserymen should sell only this one grade. Already, he said, many people were thinking that there is not an honest nurseryman on the face of the earth. There is not, he said, a better advertisement than a satisfied customer. He said the thing to do was to grade, but grade only from the best, grade up and not down.

The discussion developed the idea that as a rule orchardists made a greater success with young trees, not over two years old.

Mr. Murrill, horticulturist for the Southern Railway said the small trees did better on good, level land, but his experience taught that on poor land the older and larger trees did better.

#### GROWING PECANS

W. C. Reed of Vincennes, Ind., talked about the area in which the pecan may be profitably grown. He said pecans can be commercially grown from the gulf to extreme Southern points in Indiana and Illinois. He said the growing season in southern Indiana and southern Illinois was about what it is in Tennessee. He said northern growers found their best success in grafting.



A. I. SMITH, Knoxville, Tenn.  
President Tennessee Nurs. Association

Henry B. Chase of Chase, Ala., discussed the effect of the war on foreign shipments of nursery stock.

This was followed by a paper on "Better Understanding Between Nurserymen and the Florists," by W. F. Bohlender of Tippicanoe, Ohio. This was illustrated with stereopticon slides giving views of how premises could be beautified with the proper planting of trees and shrubs. In his talk Mr. Bohlender stressed the importance of the employing of agents who could instruct buyers in the proper planting and care for trees by the nurserymen.

Thomas D. Reed of Baker, discussed "Experimental Orchards for Nurserymen." Mr. Reed urged the importance of nurserymen having orchards where prospective buyers could be shown the fruits under discussion.

#### OFFICERS RE-ELECTED

"Crown Gall, or Hairy Root on Nursery Stock" was the subject of the opening address at the evening session by A. W. Ward of Loudon. The paper was an interesting one and a general discussion followed.

"New Ornamentals," was the subject of a talk by Bruce Howell, in which Mr. Howell told of the latest developments on ornamental plants.

A. I. Smith of Knoxville, was elected president, and Prof. G. M. Bentley of the University of Tennessee re-elected secretary and treasurer.

#### Tennessee Horticulturists

Plans for a national apple show to be held in Nashville next December, at which it is believed it can be shown that the South is capable of producing as good or better apples than those of the West, were launched at the eleventh annual meeting of the Tennessee Horticultural Society recently in Nashville. The horticulturists will seek the aid of Nashville commercial organizations in arranging for the exhibition and it is believed that a large guarantee fund can be raised. A special committee of ways and means was appointed to further the movement: Percy Brown of Springfield, the newly elected president of the state association; I. C. Murphy of Columbia; J. D. Ellis of Dayton; J. W. Eakin of Nashville and W. P. Wade of Kenton.

The meeting of the horticultural society was an interesting one, sessions being held in the morning, afternoon and evening, with notable addresses by authorities on the various problems that confront the horticulturist. The election of officers was taken up at the afternoon session and in addition to President Brown, those elected were: Vice-president for East Tennessee, J. D. Ellis, Dayton; vice-president for Middle Tennessee, William Pointer, Franklin; vice-president for West Tennessee, J. C. Preuett, Union City; secretary and treasurer, O. M. Watson, Knoxville.

Several papers were heard at the afternoon session, three papers being read under the general title of "Storing of Fruit." These were: "The Use of Natural Caves," I. C. Murphy, Columbia; "Cold Storage of Grapes," John Mir, Hendersonville, and a discussion by J. D. Ellis, Dayton.

#### Colorado Inspection Law

Our attention has been directed by the Guthell Park Nurseries, Aurora, Colo., to the present provisions of the Colorado nursery inspection law which differ somewhat from the old form as given in the 1915 issue of the American Fruits Year Book and Directory. Section 3 provides:

It shall be the duty of the State Entomologist to examine all persons appointed by the County Commissioners as Horticultural Inspectors, and if found competent and fully qualified to perform the duties of the office he shall issue to such applicant a license as a County Horticultural Inspector; no person shall act as Inspector unless he holds such license, which license shall certify to the competency of such applicant, and shall authorize him to act as County Horticultural Inspector for a period of two years from date. Provided, that no person engaged in the nursery business either as owner, as agent, employee or as salesman for any nursery or agent to sell trees, shall be eligible for the position of Horticultural Inspector.

It will be seen that inspectors are appointed only upon examination and license issued by the state entomologist. It is intended to prevent politics from influencing the selection.

Back numbers of American Fruits are scarce. The only safe way to secure this exclusive record of Commercial Horticulture is to see that your subscription is paid in advance.

# Pioneers In Iowa Horticulture

W. J. WRAGG before Iowa Horticultural Society

I AM not certain who planted the first nursery in Iowa. I am not certain who planted even the first orchard. The first record I find is from the Trappist Monks who moved into Iowa first along the Mississippi river, and these orchards we find around Dubuque, and down as far as Montrose.

But the first nurseryman who came here, making the growing of trees and shrubs a business, was one of those dreamers you heard about last night, Robert Avery. As near as I can ascertain, Robert Avery came to Iowa in 1834. Along about 1836 he planted the first seed, and grew the first seedling apple and pear trees, and did his first grafting. This was near Burlington. It was in 1834, according to the records left by L. W. Adams, secretary of the society. One of the next men closely allied with Mr. Avery was Daniel Leonard. He was an aggressive progressive man, who had great faith in Iowa horticulture; he planted largely and encouraged others, he grew many trees and gave them away freely. This is an honor you can bestow upon the early Iowa nurseryman; they gave away thousands of trees gratuitously.

Mr. Budlong was one of the early enthusiasts in Eastern Iowa. He had a vision of what fruit culture ought to be, and along about 1839, possibly 1840, commenced the planting of orchards and vineyards, and testing out new things, which eventually made Iowa a great state.

One of the first men who talked about making exhibits over the state, such a thing in this territory was then unknown, was Edward Mattox. I think his postoffice address was Dubuque. He came from Illinois across the river. He was instrumental in bringing about the first fruit exhibit and enlisted the attention of eastern men who were looking for western homes.

Along about 1846 William Ballard came over near Oskaloosa, and broke up a piece of brush and prairie and planted the first trees as a nursery in that part of Iowa. It was from these enthusiasts, such men as Father Dixon, and others, that fruit culture got its impetus, he planted one of the largest orchards in Iowa. I think the first spraying experiments in the state were carried on in Mr. Dixon's orchard long before our State College thought of such a thing.

Along about 1846 or 1847, one of these hardy pioneers came further into the territory and settled in my county, the county of Dallas. He was known in those early times as Dr. Benjamin Green. I do not know whether he was ever a doctor or not. He was the father-in-law of our present governor, George W. Clarke. Mr. Green made his first plantings in Dallas county near the little town of Adel, in 1847. On the old homestead and in the first orchards that were planted out in Guthrie and Madison counties, were trees grown by Mr. Green. He was the first man to take up the growing of the conifers. He planted the first Norway spruce ever planted in Dallas county, and from there was brought into this county. I do not know where he got the seed. I talked with Mrs. Clarke, and she assured me she held the grafts when she was a girl. Of course there were other nurserymen followed. I remember, in later years, my friend Graham and I, when we came to Dallas county thought we were pioneers. I remember the first evergreen my father planted in the spring of 1885 or 1886, which

he brought from Adel on horseback. They are standing there today. My father came from a country where the conifers were abundant. By the way, Dr. Benjamin Green was one of the charter members of this society. You will find one of Mr. Green's articles in the very first volume of the transactions of this society.

Colonel Brackett's father, along about the same year, 1847, came into what is now Lee county and there started planting pears. He brought all the apples which were his favorites from the eastern states, and settled near the little town of Denmark, where Colonel Brackett was reared.

Suel Foster, that grand old man, I am glad his picture is on this wall. He was a friend of the young man. The first thing I can remember of horticulture in Iowa was when Suel Foster made a talk in which he said one of the greatest things for human-



M. J. WRAGG, Des Moines, Ia.

ity was the planting of a Wealthy apple. He introduced the hardy catalpa; he brought it from its native habitat in Michigan. He couldn't get on the floor but he was talking about the hardy catalpa. He brought seed from a tree gathered 17 miles from Hillsdale, Michigan. I have heard him tell of the history of the trees, in Indiana; but he got his seed in Michigan. He was the man the State College got its impetus from. We used to hear him talk about what that college at Ames would do for Iowa; he had a wonderful vision.

I recall James Mathews, of Knoxville. He was one of the pioneers. He was on the college board with Mr. Foster. He had a great idea of the future of horticulture in Iowa. He was the father of B. A. Mathews. I think he came in 1848, and located in Marion county. He planted pears and apples.

There was another character came into the state about that time, and that was E. F. Brockway. I think his home was in Ainsworth, Washington county. He also gave a great impetus to horticulture. He was the cause of millions of conifers being planted. He used to give them away, and write articles in Father Clarkson's paper, and if any farmer didn't have the money, he would send them to him without expense.

Along about 1850, there seemed to be quite an interest in horticulture at Des Moines. In that year James Smith came and planted the first orchard. I was a little boy and gathered some of the apples. D. W. Kauff-

man was one of the pioneers here and helped to organize the state society. He was the great-grandfather of our present Mr. Kauffman in this city. I remember when I was a little boy, my father never came to Des Moines but he stopped at Mr. Kauffman's place, which would now be about 35th and West Grand avenue. It was often very late before we started for home from his place; all these men talked about the great future of horticulture in Iowa. Then there was Mark Miller, who I believe planted one of the first orchards in the confines of Des Moines. He was editor of the Homestead, and it was through his efforts that this society was organized. He went over the state horseback, trying to get together such men as Mr. Kauffman, Mr. Smith, Dr. Green, and others for the purpose of this organization.

I can remember other men. There is James Stanton. I also remember a man by the name of Case, but do not know much about him. There was another named Blatchey. He lived some place east of the Capitol building. He wrote articles in 1853 in the publication called the Gardener's Monthly, published by Mr. Meehan, telling about the wonderful climatic conditions in Iowa for the production of the grape. You would be surprised to see the list of grapes Mr. Blatchey wrote about—the Isabella and Catawba. In this list there remains one man living in Iowa now, that is Mr. Harris. He was one of the first nurserymen in the state. He is still living north of the city and is hale and hearty.

Along about this time the name of Joseph L. Budd appeared on the horizon. He was not one of the organizers of this society but in the third volume, I think, you will find Mr. Budd was entering into the discussions of trees, shrubs and vines. In early times he had settled in Benton county. He came there in 1854. In 1856 and 1857 he planted out a very large nursery. I remember along in 1864-5 and 1866 his agents were numerous through the counties of Dallas, Guthrie and Boone. The first nursery agent I remember was Governor Shaw—just a young fellow, probably about 18, came to my father's house. He was selling for Mr. Budd. In the same year a man by the name of M. W. Lovett started in the nursery business, at Elkhart, Clayton county. I know my father thought that Mr. Lovett had grown the first trees, but preceding him there were other men.

Along in 1854 or 1855 Levi Kauffman came to what is now Johnson county and started a nursery business. He was on the ground early. He was one of the men in eastern Iowa, they tell me, who was probably as strong a factor in getting the people to plant out orchards, as any other person. I can hardly pass without speaking about Henry Strohm, and there used to be another character, a genius and great speaker, H. W. Lathrop. I do not think that Mr. Lathrop ever posed as a nurseryman, but he was a strong factor in this society; he had great faith in the future of Iowa. I always will remember Mr. Lathrop, with much pleasure, because it was he that gave me some early encouragement.

Along about 1854, in Northwestern Iowa, the first records I find of any one who made any attempt at horticulture, was A. J. Haviland, the father of our present director. According to Mr. Haviland's own writings, after he had been in Northwestern Iowa

Continued on Page 63



# Empire State's Importance In the Fruit Industry

In his annual address before the Western New York Horticultural Society at its sixty-first annual meeting President W. C. Barry said:

## IMPORTANCE OF FRUIT INDUSTRY

The fruit industry started here in a small way and under many difficulties eighty years ago, and it has grown and extended East and West, North and South, to such an extent that a study of its productions fills one with amazement.

New York has a total of 24,988,707 orchard trees which produced 29,456,291 bushels valued at \$17,988,894.

New York has 14,076,718 apple trees which produce 25,324 bushels valued at \$13,343,028.

New York ranks first in the value of apples, first in bushels produced, second in number of trees.

New York ranks third in the value of peaches produced.

New York has 3,644,257 pear trees which produce 1,343,089 bushels valued at \$1,418,218.

Mr. Brown, formerly president of the New York Central railroad, told us that five stations in this vicinity on the New York Central railroad, shipped more apples in one year than were shipped from Hood River valley and Wenatchee valley, and from the entire states of Oregon and Washington combined.

Monroe county ranks first in apple production of all counties in the state; yes, first of all the counties in the United States.

Niagara, Wayne and Orleans rank second, third and fourth of all the counties in the United States, according to the last census figures.

I wonder if we fully realize all that this means and whether we have inaugurated advertising schemes to publish fully and widely the value and extent of the industry.

The acreage devoted to orchards is increasing—great storage houses of the most substantial construction are being erected in almost every fruit district and the product is multiplying in a most remarkable way. Yet we hear on every side that owing to imperfect and inadequate market facilities, the people are unable to enjoy the advantage of this great product.

Perhaps as growers we are satisfied in having produced the crop, but there is more for us to do—both for our own advantage as well as for that of the consumer.

It is to devise means whereby the masses of the people may partake of and enjoy the results of our labor, skill and effort. This is a problem as yet far from being solved, and it is a matter worthy of serious consideration on the part of both producer and consumer.

The New York State Fruit Growers' Association, at its recent convention in Rochester declared for a state auction market in Rochester. Mr. Barry said that he hoped a sufficient number of the growers would offer support to such a market to bring it to Rochester. He praised the state apple packing law, which, he said, was operating to give the growers better prices.

A long program of practical topics was discussed and an unusually fine display of fruit was made.

Officers were elected as follows:

President—William C. Barry, Rochester.  
Vice-presidents—S. J. T. Bush, Morton; F. H. Lattin, Albion; George T. Powell, Ghent; B. J. Case, Sodus; S. W. Clark, Wyoming; Henry Maxwell, Geneva.  
Secretary-treasurer—John Hall, Rochester.

Executive committee—George W. Dunn, Webster; Samuel Fraser, Genesee; R. E. Chapin, Batavia; C. H. McClew, Barre; F. W. Cornwall, Pultneyville.

Legislative committee—J. B. Wilson, Hall; R. G. Phillips, Rochester; M. E. Ross, Avon; S. J. T. Bush, Morton; F. E. Rupert, Seneca.

The Idaho-Oregon Fruit Growers' Association at its recent annual meeting, in New Plymouth, Idaho, elected Martin Meyer president and E. E. Trayer secretary-treasurer.

## California Fruit Growers

Following is the programme which attracted a large attendance at the 48th California State Fruit Growers' convention in San Bernardino, Cal., Feb. 18-19 in connection with the orange show:

Address of welcome, J. W. Curtis, San Bernardino.

Response, Dr. A. J. Cook, State Commissioner of Horticulture, Sacramento.

"Citrus Culture in Butte County," F. Mason, Oroville.

"Citrus Culture in Sacramento County," W. W. Hinsey, Fair Oaks Fruit Company, Fair Oaks.

"Citrus Culture in Tulare County," Hobart Webster, Porterville.

"Discussion of Certain Phases of Pomelo Culture," A. D. Shamel, United States Department of Agriculture.

"Why Citrus Growers Should Organize Clubs," V. V. LeRoy, Los Angeles.

"The Valencia Orange," Byron Clarke, Paradise.

"Citrus Culture in Mexico," Professor D. L. Crawford, Pomona College, Claremont.

"The Value of a Good Brand," C. C. Chapman, Fullerton.

"Scale Control on Citrus Experiment Station, Riverside.

"Insects Injurious to the Citrus Tree," E. O. Essig, University of California, Berkeley.

"Bird Friends and Mammal Pests of the Citrus Grower," H. C. Bryant, State Fish and Game Commission, Berkeley.

"Discussion of the Lemon," programme arranged by C. C. Teague.

"Lessons to Be Learned From the Past Year's Experiences in the Lemon Business," C. C. Teague, Limoneira Company, Santa Paula.

"Renewing of Old Trees," J. D. Culbertson, Limoneira Company, Santa Paula. Discussion led by A. D. Shamel.

"Pruning of Young Lemon Trees," W. H. Fleet, Sespe. Discussion led by S. B. Hampton of Corona.

"Sources of Unnecessary Decay," R. L. Willits, Corona. Discussion led by G. W. Hosford of San Dimas.

Programme arranged by Dr. H. J. Webber.

"Formation of Nitrates in the Soil," Dr. W. P. Kelley, Citrus Experiment Station, Riverside.

"Movement of Nitrates in the Soil," I. G. McBeth, Riverside.

"Our Present Knowledge of Citrus Fertilization," Dr. H. J. Webber, Citrus Experiment Station, Riverside.

"Problems in Citrus Culture," G. Harold Powell, California Fruit Growers' Exchange, Los Angeles.

"Discussion of Rural Credit Systems."

"Marketing," Colonel Harris Weinstock, State Commission Market, San Francisco.

Officers of the convention: Dr. A. J. Cook, president; E. J. Vosler, secretary.

Special meeting for apple growers:

"Pruning the Apple," J. B. Hundley, Yuba.

"Spraying With Special Reference to the Codling Moth," George P. Weldom, Sacramento.

"Varieties of Apples for Southern California," Isaac Ford, Oak Glen; K. R. Smoot, Beaumont.

"Cultivation and Cover Crops," W. M. Mertz, Citrus Experiment Station, Riverside.

"Packing and Marketing the Apple Crop," F. S. Jerome, Watsonville Apple Distributors, Watsonville.

The Michigan State Horticultural Society held its mid-winter meeting in Pontiac, Mich., Feb. 14-15. There were addresses by Roland Morrell, Prof. L. R. Taft, President C. A. Pratt and others. Mr. Morrell is considered one of the foremost peach raisers in the country. He has 1,000 acres of peaches in Texas and is planning this year on setting out 200 acres of the new J. H. Hale peach as an experiment. Secretary Robert Smythe, reported that during the session 27 life memberships had been taken in the society and 11 annual memberships.

Just say you saw it in AMERICAN FRUITS.

## Eastern Fruit Growers

The Eastern Fruit Growers' Association, composed principally of apple growers of Virginia and Maryland, met in annual session in Washington, D. C., February 16-17. Problems of the fruit grower such as production, packing, storing and marketing, were discussed.

S. L. Lupton, president of the association, in his annual address spoke of the necessity for closer co-operation among fruitgrowers in order to obtain adequate returns from horticultural operations.

T. B. Symons, secretary of College Park, Md., in his report outlined the work of the association during the past year.

Representative Glass, of Virginia, made an address on rural credits as affecting fruit-growers. Senator Smith, of Georgia, and others also made brief addresses on subjects of interest to the members of the association.

Among those in attendance from Maryland were E. P. Cahill, Hancock; O. L. Townson and L. Jackes, Smithburg; Frank Seth, Easton; J. F. Engle, New Windsor; C. E. Temple, H. Breckenshaler, College Park; J. R. Edwards, Hagerstown, and William M. Scott, Baltimore.

The Nebraska State Horticultural Society discussed important state fruit topics at its forty-seventh annual meeting in Lincoln and elected: Val Keyser, Nebraska City, president; Prof. R. F. Howard, Lincoln, first vice-president; L. C. Chapin, Lincoln, second vice-president; Peter Youngers, Geneva, treasurer, and A. J. Brown, Geneva, and W. A. Harrison, York, directors.

## Iowa Pioneers

Continued from Page 62

about two years, he made a trip to Bryant's nursery at Princeton and bought his first stock. In fact, I think A. J. Haviland was the first nurseryman northwest of Adel, Dallas county, to go into the nursery business and lay the foundation for horticulture in Northwestern Iowa.

In 1860, there came such men as Ira Phillips. He was a nurseryman down at Keosauqua. He had a wonderful vision. We all remember Jonathan Thatcher, not so much as a nurseryman, but as a very modest man, and one who left a great work behind him in Southwestern Iowa. Mr. Fluke, we all remember him in the same connection. He had delved deeply into the storehouse of nature, looking for the best there was.

In 1860, D. W. Adams, one of the strongest characters in horticulture became known. In 1864 he put out a nursery at Waukon, Allamakee county. I do not remember ever meeting him, I recall the earlier newspaper files in which there appear columns of his writings. He was a great writer for Meehan's Monthly, and for some magazines in Rochester. I have some of the old volumes of those magazines. He was one of the men who helped put Iowa on the map in horticulture.

There were a great many boosters in this society during those days. Today, as we look over and see these men, like Silas Wilson,—I couldn't mention him, because he was only a boy then. I remember him since he started in the nursery business, growing the Osage orange; that is my first recollection of Mr. Wilson. After that I heard him stand up in my old courthouse, telling of the wonderful soil of Cass county for growing grapes. Such men as Mr. Wilson, Captain Watrous and Mr. Harrington, they are just young men as compared with the men who helped make Iowa what she is.

## Everbearing Strawberries Their Specialty



CHARLES F. GARDNER  
Pres. Gardner Nursery Co.



View Along Main Driveway



CLARK E. GARDNER  
Gen. Mgr. Gardner Nursery Co.

THE Gardner Nurseries were first established by Charles F. Gardner away back in 1869. In 1901 the business was incorporated with \$50,000.00 capital stock with Charles F. Gardner and his son Clark E. Gardner as principal owners. The business had been conducted by use of agents; but commencing about 1906, a mail order department was opened and this grew so fast that in a few years the agency department was dropped and all business has since been done by mail direct with the customers.

In the early days evergreens were a leader with the Gardners, but this line has gradually been decreasing as tree fruits, ornamentals, etc., came more and more into demand.

The leading lines being propagated at this

time cover the general lines of hardy fruits, ornamentals, etc. The two largest items being the new Everbearing Strawberries and a new race of plums that the Gardners have been developing for the past 25 years. For the past eight years Charles F. Gardner has devoted a large part of his time at work breeding and caring for the Everbearing Strawberry experiments. They have originated a large number of new varieties some of which are of great merit and can be seen fruiting by any one who is interested enough to call any time during the summer or fall months. The Gardners see a great future for the Everbearing strawberries, although nurserymen in general have been very slow to believe that there is any such animal. But once let such a skeptical per-

son step into some of the Gardner fields and he is very quickly converted.

The photographs accompanying this article and on other pages explain themselves and show something of the extent of the company's grounds. R. G. Dun & Co., rates them at from \$75,000.00 to \$125,000.00 with first grade credit. They own and conduct their own printing plant, having over \$10,000.00 invested in presses and special equipment for their particular needs.

Visitors are always welcome and any nurseryman who wants to see all sizes, shapes, colors and flavors of strawberries ripening in large quantities, anytime during the summer and fall months, need only to drop off at Osage, Iowa, anytime of day or night, and the Gardners will be prepared to show that they have the goods—and then some.



A partial view of the Offices and Packing Houses. They have every convenience and facility for handling orders in a careful, up-to-date manner. Notice the Oriental Poppies in the row in fore ground.



View in the five-acre Flower Garden, showing blocks of Paeonies in bloom



Picking Everbearing Strawberries in September on Grounds of the Gardner Nursery Company, Osage, Iowa



## Idaho Horticulturists In Annual Session

E. F. STEPHENS, Nampa, Idaho

The opening hour of the annual meeting of the Idaho Horticultural Society, in Twin Falls, last month, was devoted to a discussion of the state inspection of orchards. Mr. Guy Graham, state inspector, mentioned that the board was created in 1903, briefly discussed its developments and work. At this time the state is divided into 16 districts, the available funds are apportioned by the state board among the districts in amount apportioned to the important of the work in each district. As nearly as can be estimated there are at this time about 65,000 acres of commercial orchards. The district about Twin Falls, both north side and south side, does not at this time suffer from the San Jose scale, with the exceptions of a few orchards in the old Hagerman Valley. By careful work it is hoped to limit the damaging work of scale for some years to come. In the resulting discussion on this subject several speakers urged the importance of individual responsibility for reporting cases of neighborhood infestation. The funds available are not sufficient to enable the deputy inspectors to find and check each case unless assisted by interested orchardists in the community.

Professor C. C. Vincent, department of horticulture University of Idaho, exhibited a very interesting collection of evaporated fruits illustrating the work that the department is undertaking showing that it is practicable for the family or the neighborhood to engage in the evaporation of surplus fruit and to develop a merchantable product at moderate expense. The cost of labor and fuel used in evaporating the apples was given at two and one-fourth cents per pound. Forty-five bushels, two thousand and sixty-three pounds of Arkansas Blacks developed 228 pounds of the dry product. Figures were given relating to comparative results secured evaporating Ben Davis, Rome Beauty and Winesap. The evaporated product from the Ben Davis proved to be lightest in color and most attractive in appearance.

C. J. Sinsel of Boise, in discussing the Italian prune mentioned that certain capitalists would meet him in Boise on February 12, to discuss the establishment of an evaporating plant involving an expenditure of from \$50,000 to \$75,000, provided a sufficient number of orchards would contract their entire crop for a period of five years at a set price, of probably \$15 to \$17.50 per ton. Capitalists could not afford to establish

a plant unless they could be assured of a sufficient quantity of fruit for successful and profitable evaporation. Mr. Sinsel and other speakers favored contracting with an establishment of this character and thus standardize the work of growing the Italian prune. A positive contract with a responsible company for a term of years at a reasonable price would give stability and value to the Italian prune orchards. W. H. McBurney stated that the prune industry is now passing from the green to the dry stage, the market for the green prune is not unlimited but there seems to be an excellent out-let for the dry prune. Mr. McBurney discussed different methods of drying, commending that established by Miles Cannon of Weiser. A plant costing \$7,500 was large enough to handle 1000 tons of fruit. Mr. McBurney reported that usually one hundred pounds of green prunes would develop 33 to 35 pounds of the dried product. On the present market developing a value of above \$25.00 per ton for the green prune. Comparing the cost of evaporating the Italian prune with coal as compared with the California method of drying by sun heat since the cost of coal is only one-fourth cent per pound for fruit the Idaho method was preferable. Prunes for evaporation are allowed to remain on the tree until quite ripe and are then gathered from the ground as they fall, making frequent picking from time to time.

The Italian prune with its large sugar content rapidly exhausts the fertility of the soil, orchards 15 to 20 years of age showing decay and exhaustion simply require cultivation and heavy application of such fertilizers as can be secured. One of their 40-acre orchards of prunes was fortunately located along side of a stock feeding plant from which they have been able to secure year after year a large amount of excellent manure. Applications of ten loads per acre for a series of years had maintained the fertility of the soil and the orchard was now in the best possible condition and very productive at the age of 21 years.

Mr. McBurney mentioned an Italian prune orchard purchased 13 years ago. In ten crops taken from this tract they had secured a yield that had returned them \$2,500 per acre over expenses.

The McBurney family have 400 acres in Italian prunes and 200 acres in apple orchards.

Discussing methods of planting, Mr. Mc-

Burney in light soil where vigorous growth was not expected would plant 18 feet apart, 134 per acre; on strong soils 20 feet apart, 108 trees per acre. Discussions by prominent fruit growers indicated the preference for large establishments operated with ample capital, where these were not available the orchardists should prepare very soon a plant that could handle its own product. A sufficient number of trees have been planted in southwestern Idaho to develop more than 600 cars of prunes, 1000 cars of green prunes were probably all that could be marketed from southern Idaho in the green state at a profit. Silas Wilson of Nampa, with 90 acres of the Italian prune, heartily favored any method which would give a staple price for prunes for a term of years.

In the discussion on the marketing of by-products, C. J. Sinsel stated that the product must have quality, quantity and be able to supply the demand from the wholesale trade as called for. This thought favored the large establishment in preference to the small, individual plant.

Joel Priest of the O. S. L., discussed freight rates. There seemed to be an impression current that those who marketed the citrus products had a better freight rate than the apple orchardists. To correct this impression Mr. Priest stated that oranges paid a flat rate of \$1.15 to Denver and the same flat rate maintained clear to New York. Idaho apples were carried to Denver for 65 cents per hundred; to the Missouri river points for 75 cents per hundred; to Chicago for 85 cents per hundred, and to New York for \$1 per hundred. The rates for apples on the O. S. L. to eastern territory were lower by 12½ cents per hundred pounds than the rate over the Northern Pacific, the Northern Pacific asked the Interstate Commerce commission to direct the O. S. L. to use the same rates from Idaho territory used by the Northern Pacific. This should be met by a protest from the interested orchardists of Idaho. The O. S. L. carried potatoes to Texas on a rate only 15 cents above the rate from Greeley, Colorado, to Texas points. The rate on Idaho apples to eastern markets was the same as the Utah rate, although 400 miles further away. The rates from Payette to Blackfoot were 15 to 21 cents lower than from Yakima and Wenatchee.

Officers who were elected for ensuing year were: President, Silas Wilson, Nampa;

Continued on Page 68

### SCENES AT GARDNER NURSERY CO.'S, OSAGE, IOWA



Blocks of Forest Trees, Asparagus, etc.



Picking Ripe Strawberries on August 16th



A Young Progressive Everbearing Strawberry plant loaded with berries in August, only Ninety days after planting



Apple and Forest Trees



A Small Part of the Five Acre Flower Garden

## New England Nurserymen's Annual Meeting

The fifth annual meeting of the New England Nurserymen's Association was held at Hotel Worthy, Springfield, Mass., Jan. 25-26, President Charles H. Greateon presiding. The following programme was presented:

"Assembling, Packing and Shipping Systems"—W. E. Campbell, New Haven, Conn.

"Surplus Nursery Stock and Its Disposal"—Harlan P. Kelsey, Salem, Mass.; A. E. Robinson, Lexington, Mass.

"Publicity Methods"—Representative of the McFarland Publicity Service.

"The Nurseryman as a Landscape Gardener"—Prof. F. A. Waugh, Amherst, Mass.

"Varieties of Ornamental Trees, Shrubs and Vines Best Adapted to Different Geographical Sections of New England:"

Maine, New Hampshire and Vermont—J. G. Jack, E. Walpole, Mass.

Massachusetts—Eastern: George C. Thurlow, West Newbury, Mass.; Western: Charles Adams, Springfield, Mass.

Rhode Island and Connecticut—Ernest F. Coe, New Haven, Conn.

"Best Methods of Labeling in the Nursery," John C. Chase, Derry Village, N. H.

These officers and committees were chosen for 1916:

President, George C. Thurlow, West Newbury, Mass.; vice-president, A. P. Horne, Manchester, N. H.; Executive committee, W. W. Hunt, Hartford, Conn.; J. J. McManmon, Lowell, Mass.; C. H. Greateon, Providence, R. I.

Committee on Publicity—A. E. Robinson, Lexington, Mass.; C. R. Burr, Manchester, Conn.; W. W. Hunt, Hartford, Conn.

Committee on Membership—Charles R. Fish, Worcester, Mass.; W. W. Hunt, Hartford, Conn.; B. A. Bohuslav, Newport, R. I.

Committee on Legislation—W. H. Wyman, North Arlington, Mass.; C. R. Burr, Manchester, Conn.; V. A. Vanicek, Newport, R. I.

Committee on Standardization in Sizes of Nursery Stock—E. W. Breed, Clinton, Mass.; J. R. Barnes, Yalesville, Conn.; Julius Heurlin, South Braintree, Mass.



C. H. GREATON, Providence, R. I.  
Retiring President New England Nurserymen's Association

### New President N. E. N. A.

The many friends of George C. Thurlow, West Newbury, Mass., who has just been elected president of the rapidly developing New England Nurserymen's Association, is receiving the congratulations of many friends.

Mr. Thurlow is 34 years old, is married and is the father of five children. He is a trustee of the Essex County Agricultural school at Danvers and is chairman of the Republican town committee of West Newbury.

The nurseries of which he is the head are situated on Cherry hill near Indian hill. These nurseries had their inception nearly a century ago, when George Thurlow, the grandfather of the present generation, began budding apple trees for his own use. He later sold some to his neighbors and from this small beginning the nursery business has grown to a point where it now has nearly 200 acres under cultivation and employs in its busiest time in the spring from 40 to 50 men.

While a large trade is done in ornamental stock, yet the greatest work is with peonies, iris and phlox. Their collection of rare and beautiful peonies is declared to be the choicest to be found either in this country or abroad and visitors from many states come to see the wonderful display of choice blooms during the month of June.

That these peonies have more than local merit is borne out by the fact that they have been awarded many gold and silver medals on their exhibits. Last year they won the gold medal offered by the American Peony Society for the largest and best collection of blooms.

Last year some of their irises were in bloom at the Panama-Pacific Exposition and for their excellence were awarded a silver medal. During the year 1915 they were awarded a gold medal, two silver medals and more than a score of first prizes.

In addition, not only do they do a large business in fruit trees, but they grow fruit as well and have 8000 fruit trees planted, many of which are bearing good crops. From 1000 to 2000 barrels of apples, besides peaches and pears, are marketed annually, and this amount will be largely increased in the next few years, as many of the younger orchards are coming into bearing.

Associated with Mr. Thurlow in the active management and development of this enterprise are David C. Stranger, vice-president, and Winthrop H. Thurlow, treasurer.

Just say you saw it in AMERICAN FRUITS.

## APPLE TREES AT ROCK BOTTOM

Fine growth. Free from disease.  
Full list of varieties.

ALSO

Our Usual Supply of  
**Cherry, Peach, Plum and  
Pear Trees**

—  
**APPLE SEEDLINGS**

—  
**Ornamental Shrubs**

**Small Fruit, Vines**

**Strawberries, etc.**

**L.R. TAYLOR & SONS**

**TOPEKA, KANSAS**

## J. Gouchault & Turbat Nurseries E. TURBAT & CO.

**Nurserymen and Rose Growers**

**ORLEANS, France**

Inform the whole Nursery Trade that notwithstanding the war they have maintained their Nurseries up to the usual level and that they will be from now very pleased to answer all demands for:

**Roses** one of the most extensive existing collections, deliverable as **dwarfs**, on their own roots; grafted on dog rose roots; budded on dog rose seedlings; in all the best Old and New varieties; also as **Standards** or **Tree Roses**.

**Rose Stocks** such as **Rosa Canina**, of which we have largely increased our production; **Manetti**, **Griferaie**, **Laxa**, **Multiflora**, **Polyantha**, etc.

**Fruit Tree Stocks** all varieties, all sizes.  
**Young Deciduous Ornamental Trees and Shrubs**, very important collection.

**Young Conifers**, very large collection, all the best sorts. New Rare or Noticeable **TREES** and **SHRUBS**, the most up-to-date list published of deep commercial interest to be consulted by all interested.

Grand List **HARDY HERBCAEIOUS** New and Old, etc.

Our new **WHOLESALE** catalogue is ready. Please ask for it.



**LEVAVASSEUR & FILS**  
Ussy and Orleans FRANCE

HEADQUARTERS FOR  
**Fruit and Ornamental  
STOCKS**

Sole American Agents:

**AUGUST RÖLKER & SONS**  
51 Barclay Street, or P. O. Box 752  
NEW YORK

**LOUIS LEROY'S NURSERIES COMPANY,**  
ANGERS, FRANCE

L. LEVAVASSEUR and L. COURANT, Proprietors-Directors

Established 1795

Wholesale Growers and Exporters of  
Pear, Apple, Mahaleb, Mazzard, Myrobalan and Angers Quince Stocks  
Forest Trees (seedlings and transplanted), Evergreens, Ornamental Shrubs  
Manetti, Multiflore and Roses  
Also a full line of Ornamental Stocks

Extract from General Catalogue (Edition A. F.) gratis and free on demand:

Against 12 cents (Cost of Postage) and 25 cents—Cost of the Volume—(which sum of 35 cents will be refunded at the first Order of the value of least \$10), our General Illustrated descriptive and analytical Catalogue (Edition A. F.), 385 Pages and 135 explanatory Vignettes giving the full descriptive Nomenclature with Prices of all the Plants which we cultivate, will be sent free to any person applying for same

**FRUIT TREES ROSES MANETTI STOCKS**  
IN HEAVY QUANTITIES

Mr. John Watson, Nurseryman, Newark, New York, is our sole agent  
for the United States and Canada

**S. SPOONER & SONS**

The Nurseries—Established 1820

HOUNSLOW,

ENGLAND



A BOWL OF SOBER PARAGON CHESTNUTS IN THE BURS  
TREES FOR SALE; WRITE FOR PRICES C. K. SOBER, LEWISBURG, PA.

**French Stocks**  
Fruit Tree Seedlings, Rose Stocks, Young Shades and Conifers for nursery planting in complete assortment, best quality and at very reasonable prices. For price-list and full information about details and moderate expense of importing, write my sole Agent for the United States and Canada, Mr. John Watson, Newark, New York.

**F. DELAUNAY,**  
ANGERS, FRANCE

**Bailey's New Standard  
Cyclopedia of Horticulture**

On Easy Terms. Prospectus Free

American Fruits Pub. Co., Rochester, N. Y.

**CHAS. DETRICHE, SR.**

ANGERS, - FRANCE,

Grower and Exporter of

Fruit Tree Stocks, Forest Tree Seedlings, Rose Stocks, Shrubs, Vines and Conifers for Nursery Planting

Information regarding stock, terms, prices etc. may be had on application to Mr. Detriche's sole representative for the United States and Canada:

**JACKSON & PERKINS CO.**

Newark, New York.

## WOOD LABELS

The kind that gives satisfaction  
Can be supplied either plain or  
printed, with Iron or Copper wire  
attached in any quantity.

Our facilities for handling your  
requisite are unexcelled.

Samples and prices are at the  
command of a communication  
from you.

**DAYTON FRUIT TREE LABEL CO.**

DAYTON, OHIO.

## For Sale

35,000 clean, hardy, perfect specimen trees, Washington Navel orange. Diameter  $\frac{1}{2}$  to 1 inch. Sample shipment of 10 trees, assorted sizes, \$5.00. We are pleased to quote you prices on any amount you may need.

**CITRUS HEIGHTS NURSERY CO.**  
SACRAMENTO, CALIF.

Reference—Any Bank in Sacramento

## The Chase Labels

For Nurserymen and Florists are Excelled by None

**PLAIN, PAINTED, WIRED with TINNED or  
COPPER WIRE and**

**PRINTED IN ANY MANNER**

That may be called for

Prices as low as **FIRST-CLASS WORK** and unequalled  
**PROMPTNESS in DELIVERY** will justify.

Please favor us with a trial order if you are not one of our  
present patrons.

**THE BENJAMIN CHASE CO.,**  
DERRY, NEW HAMPSHIRE

P. O. Address and Western Union Tel.—Derry Village

**Rochester Lithographing Co.**

ROCHESTER, N. Y.

FRUIT PLATES  
BINDINGS  
PRINTED FORMS

OF ALL  
KINDS

**NEW Descriptive Catalogues  
READY MADE Plate Books  
and PROMPT SERVICE**

Send for Catalogue

# Successful Results With Power Nursery Tree Digger

Editor American Fruits:

We are enclosing herewith some photographs of a power tractor that we designed and used last fall for digging nursery stock. We did not make this public as we were covering the idea with letters patent.

We gave this machine a thorough trial last fall digging everything in our nursery up to 10 to 12 ft. Lombardy poplar and American elm. We cut rows 880 feet long in four minutes. This block contained three year old apple, two year cherry, two year

## Advice for Roadway Planting

T. A. Telfer, Springfield, Ill., proposes to plant nut trees for a distance of a mile and a quarter along the public highway and on both sides of a lane a quarter of a mile in length.

The advice by Dr. W. C. Deming, of Georgetown, Conn., in this case is as follows:

I think it would be too expensive to use grafted trees for the extensive planting you plan and in the locations you mention. Grafted trees need the greatest care and are

would later supply the scions for working the other trees.

## Viewed From a Distance

The controversy over the New York State Department of Foods and Markets is thus viewed from a distance, calmly, by the California Fruit News:

A great amount of newspaper and trade journal space has been used during the past summer and fall in New York State in the controversy between the recently organized State Department of Foods and Markets in that state and the distributing trade in food and produce lines, which the New York State Commissioner, J. J. Dillon, through a most unfortunate manner and theory in his work, vigorously and very unnecessarily antagonized at the outset. Protest was made to the Governor of the state in this matter. It now would seem that the trade and the trade journals and such publications as were opposed to Mr. Dillon's methods were right. From all the accounts that we have coming to us from New York just now, it would seem that the State Foods and Markets Department of New York has fallen down completely in its program. In addition some strong language is being used. The one publication that is not in accord with the above is a weekly journal which Commissioner Dillon himself edits and which journal seems extremely busy explaining.

## Nursery Stock Imports

Imports of nursery stock during November, 1915, were valued at \$428,909 as against \$357,623 in November 1914. For the eleven months ended in November in 1913 the imports of nursery stock to the United States were valued at \$3,198,180; in 1914, \$3,373,393; in 1915, \$3,280,913. Apparently the European war has had little or no effect on this branch of the industry.

## Idaho Horticulturists

Continued from Page 65

vice-president, W. S. Starr, Kimberly; secretary, I. Lee Traux, Meridian; treasurer, A. E. Gipson, Caldwell; directors, Professor C. C. Vincent, Moscow; Walter E. Wood, Boise; P. H. B. Moulton, Weiser; J. A. Waters, Twin Falls.

The next meeting of the society will be held at Boise. Following the example set by other states, a summer meeting may be called to meet in representative orchards where pruning, spraying and thinning can be discussed and illustrated.



POWER TRACTOR—DIGGING TREES  
Corn Belt Nursery & Forestry Association, Bloomington, Ill.

native plum, two year Kieffer and Garber pear, all of our ornamental shrubs including 160,000 gooseberry, and in fact everything in the nursery and ornamental lines. All this stock was dug without any injuries to trees or any breakage or scarring.

The first demonstration was witnessed by Henry B. Chase, of Chase, Alabama, and since that time has been witnessed by other prominent nurserymen among whom were Mr. Fraser of the Fraser Nursery of Huntsville, Ala., E. S. Welch of Shenandoah, Iowa, Custer Bros., of Normal, Ill., George Winters of LaSalle, Ill., Mr. Patten of the Sherman Nurseries and quite a few other visiting nurserymen.

We are not manufacturing this tractor for sale, having made only one tractor, but expect to have a high-powered tractor, 25 H.P. on the draw bar at the nurserymen's convention at Milwaukee this summer. We are designing this tractor now and will have it completed and on exhibition and will make demonstrations at the convention at Milwaukee.

This tractor will certainly revolutionize the digging end of the nursery game as it eliminates the unpleasantness of horse digging and gets better roots, does the work easier, with less labor and can operate the machine on 15 gallons of gasoline per day.

Corn Belt Nursery & Forestry Assn.,

B. J. VANDERVORT, President.  
Bloomington, Ill.

No matter what periodical you are taking, AMERICAN FRUITS should be regularly on your desk. A business aid. Bristling with exclusive trade news. Absolutely independent. NOT OWNED BY NURSERYMEN.

Just say you saw it in AMERICAN FRUITS.

not likely to do well on the roadside. I would suggest that you set young seedling black walnuts, Indiana or Illinois pecans, perhaps shagbarks or shellbarks, the Japanese walnuts, getting guaranteed Cordiformis if you can, and some chestnuts. The walnuts can be grafted, when thoroughly established, with improved varieties or with the English walnut, and the pecans can be grafted, as well as the other hickories, with such hickories as you desire. The Japanese walnuts can remain or be grafted to any walnut. The chestnut can also be grafted. Even if you never get to the grafting, you will have a valuable lot of nut trees. If you set the trees thickly, and you can get them cheap from wholesale nurseries, a good proportion of them should live, if given a little care to prevent their being choked out. Along the lane you might set grafted trees, if prepared to give them very careful attention. These



POWER TRACTOR—DIGGING TREES  
Corn Belt Nursery & Forestry Association, Bloomington, Ill.



Your customers demand superior trees and plants—  
We have them—A complete assortment of both fruits  
and ornamentals.

### EXTRA FINE STOCK

— IN —

**Hydrangea**—Arborescens Grandiflora

**Berberis Thunbergii**—Purpurea and Vulgaris

**Peonies**—Thirty Varieties

**Phlox**—Fifteen Varieties

**Pot Grown Evergreens**—We ship them with pot ball  
attached. They will transplant as readily this fall  
and next spring.

Write for prices

**The Farmers Nursery Co.**

Troy, Ohio

### SURPLUS SHADE TREES

Write for special low prices

ELM			SILVER POPLAR		
12-14'	3-3"	50	6-8'	1-1 1/2"	100
10-12'	2-3"	430	6-8'	1-1"	200
10-12'	1 1/2"	50			
8-10'	1 1/2"	1200			
8-10'	1 1/2"	1200			
6-8'	1 1/2"	900			
4-6'	1 1/2"	50			
MAPLE			BOX ELDER		
8-10'	1 1/2"	2500	6-8'		75
6-8'	1 1/2"	1200	4-6'		90
4-6'	1 1/2"	350			
BLACK LOCUST			CORK ELM		
12-14'	2 1/2"	30	5-6'		10
10-12'	2 1/2"	25	4-5'		35
8-10'	1 1/2"	20			
SYCAMORE			BUNGEI CATALPA		
6-8'	1 1/2"	70	2 to 3 yr. Heads 4-6"		60
4-6'	1 1/2"	300	1 to 3 yr. Heads 6-8"		80
2-4'	small	500	1 to 3 yr. Heads 4-6"		230
NORWAY POPLAR			ASH		
10-12'	1 1/2"	350	6-8'	1-1 1/2"	150
8-10'	1 1/2"	400	4-6'	1-1 1/2"	200
6-8'	1 1/2"	100	3-4'	1-1 1/2"	125
4-6'	1 1/2"	700			
			CAROLINA POPLAR		
			10-12'	1-1 1/2"	350
			8-10'	1-1 1/2"	400
			6-8'	1-1 1/2"	100
			4-6'	1-1 1/2"	700
			3-4'	1-1 1/2"	400

THE WINFIELD NURSERY CO.

J. Moncrief, Pres.

Winfield, Kansas

## REMEMBER

If it's a **HARDY PERENNIAL** or so called **OLD FASHION FLOWER** worth growing, we have it in one shape and another the year around. We have the largest stock in this country, all Made in America, and our prices are attractive.

Why say more here. Send for our Wholesale price list of varieties and benefit from the opportunities this affords you.

Our motto: "Maximum Quality, Maximum Cost"

**Palisades Nurseries, Inc.**

R. W. CLYCAS, Mgr.

Sparkill, N. Y.

### At Wholesale

Budded and grafted Pecan Trees in Schley, Stuart, Success and Frotcher. We specialize on wholesale trade. Write for prices.

**Florida Nursery and Trading Co.**  
Lockhart, Alabama

### APPLE, PEACH, PEAR AND STRAWBERRY

In heavy surplus at Right prices

**The Wolverine Co-Operative Nursery Co., Ltd.**  
PAW PAW, MICH.

**D. H. HENRY,** Seneca Nurseries  
Geneva, N. Y.

**APPLE, STD. & DWF. PEAR, PLUM, CHERRY**  
**PEACH, QUINCE, APRICOTS, SMALL**  
**FRUITS, ORNAMENTALS, ETC.**

Write for quotations

### E. P. BERNARDIN

### Parsons Wholesale Nurseries

Parsons, Kansas

ESTABLISHED 1870

**Early Harvest & Kenoyer B. B.** Fine root grown plants in quantity.

**Peach and Jap Plums.** For those wanting fine stock for retail trade.

**Compass Cherry.** Large supply of one year trees.

**Shade Trees.** Fine assortment, all sizes. Price right.

**Fine Blocks.** Ornamental Shrubs and Evergreens grown especially for Landscape work.

Have you your copy  
**American Fruits**  
**Directory of Nurserymen?**  
1915 Edition

## YOUNGERS & CO.

GENEVA, NEBR.

Apple Trees Peach Trees Compass Cherry

### SHADE TREES

Ash Catalpa Elm Maple Sycamore  
Lombardy Poplar Linden Black Walnut

### ORNAMENTAL SHRUBS

Flowering Almond Prunus Triloba  
Snowball Siberian Dogwood  
Spirea Van Houttei Spirea Arguta

### SEEDLINGS

Apple Cherry Pear Plum  
Maple Box Elder Catalpa Osage

WRITE FOR PRICES

## The Monroe Nursery

Established 1847

Offers a fine stock of

**Peach** **Gooseberries**  
**Currants** **Berberis**  
**Spirea Van Houtte**

Other Ornamental Shrubs. H. P. Roses, Etc.

Will be pleased to quote on your list of wants

**I. E. ILGENFRITZ' SONS CO.**  
MONROE, MICH.

### Can You Offer This Stock For Cash

Quote cash prices instead of regular trade terms on following list—we buy for spot cash only

CHERRY			RASPBERRY	
Early Richmond	2 yr. 3000	1 yr. 5000	Cuthbert	5000
Montmorency	1000	4000	Cardinal	1000
Wragg	1000	1000	Cumberland	6000
Dyehouse	200	200	Kansas	5000
Black Tartarian	200	200	Plum Farmer	3000
			St. Regis	5000
PLUM, all grades			CURRANTS	
Abundance	1000		Faye Prolific	2000
Burbank	2000		Perfection	1000
German Prune	1000		Pomona	2000
Gold	2000		White Dutch	1000
Red June	500			
Wickson	1000		DEWBERRY	
Blue Damson	500		Austin	4000
Wild Goose	500		Lucretia	10000
Lombard	500			
GOOSEBERRY			ROSES—field grown	
Dowing	5000		Anne Diesbach	200
Houghton	6000		Coquette de Alps	500
Oregon Champion	2000		Gen. Jacqueminot	400
Pearl	4000		Marshall P. Wilder	200
GRAPE			Magna Charta	100
Concord	15000		Paul Neyron	500
Moore's Early	2000		Ulrich Bruner	400
Niagara	2000		Frau Karl Druschki	400

THE PLANTERS NURSERY CO.

Geo. C. Mitchell, Mgr.

Winfield, Kansas

## WANTED

5000 WILLOW TREES

How Many Can You Furnish?

FOR SALE

5000 Genuine DELICIOUS trees

How Many Do You Want?

**Sunny NURSERY** Hannibal Mo.

L. F. DITTELMANN

Belleville, Ill.

Peony Roots: Home grown and imported.  
Gladiolus Bulbs: Ten leading varieties.  
Apple, Peach, Cherry, Pear and Plum Trees.  
Let me quote you prices

## American Fruits The Nursery Trade Journal

Nurseries, Arboriculture,  
Commercial Horticulture

*Bristling with unique and exclusive features.  
Every issue a special number. Only national  
publication. The Practical Horticulturist's Newspaper.*

\$1.50 a year; Canada, foreign, \$2.00.

AMERICAN FRUITS PUBLISHING CO., Inc.  
Ellwanger & Barry Bldg., Rochester, N. Y.

Phones: - Main 1002; Main 2802  
RALPH T. OLCOTT, Pres. and Treas.

Chief International Publication of the Kind

SUBSCRIPTION RATES			
One year, in advance	-	-	\$1.50
To Foreign Countries, and Canada	-	-	2.00
Single Copies	-	-	.15

Advertisements should reach this office by the 15th of the month previous to date of publication.

Drafts on New York, or postal orders, instead of checks, are requested.

ROCHESTER, N. Y., MAR. 1916

"Horticulture in its true sense is the art of cultivating tree fruits, small fruits, vineyards, nut trees, flowers, ornamental shrubs, trees and plants and all kinds of vegetables. Horticulture is one phase of agricultural activity that is not only necessary for the support of mankind by furnishing fruits and vegetables for his consumption, but tends to make his life more enjoyable by giving him flowers, shrubs and trees to decorate his home, both indoors and out."—Nebraska Horticulture.

### American Apple Seedling Industry

In a government publication, "Soil Survey of Shawnee County, Kansas," it is said that "The larger part of the apple seedlings used in the United States is grown in the Kansas river bottoms and probably one-third to one-fourth of the output is grown in Shawnee county."

Certainly a very large amount of apple and pear seedlings is grown in the Kaw valley. Some account of this industry was given in a recent issue of *American Fruits*. The county is practically free from San Jose scale and other pests injurious to fruit trees and nursery stock. As the growing of stock requires clean and almost continuous cultivation, it is advisable to rotate the seedlings with other crops, so that the fertility of the soil may be maintained. It is especially important to keep up the content of organic matter. It is a common custom to rent land for seedling purpose for this reason.

E. R. Taylor, of L. R. Taylor & Sons, Topeka, Kan., says he has approximately 65 acres in apple seedlings this year though ordinarily he grows 100 acres. J. H. Skinner has nearly 65 acres and F. W. Watson has approximately upwards of one hundred acres. There are nurseries near Wamego, St. Marys' Silver Lake, Rossville, Williams-town, Perry, Grantville, Lawrence and other towns aside from Topeka the center of the industry. The apple seedling industry gives employment to several hundred men in Topeka and the Kaw valley district. The growers are busy all the year around, but the rush season is from the middle of October to the middle of January. Shipments are made throughout the winter. The seed is procured from France; it is packed in powdered charcoal in wine barrels. The charcoal prevents heating. Upon arrival here the charcoal is blown out by fanning mills; the seed is placed in sacks and soaked for from three to five days. Approximately a bushel and a peck of seed is planted to an acre.

The Western Association of Nurserymen has changed its annual meeting date from

the second Wednesday in December to the fourth Wednesday in January, commencing next January.

### Nursery Trade Terms

At the annual meeting of the Western Association of Nurserymen the committee on trade terms of payment of bills, J. W. Schuette, E. P. Bernardin and Henry B. Chase, reported through Mr. Bernardin, who said:

The committee's report is the same as was made at the National Association with this exception, when cash in advance is demanded, allow 3 per cent. cash discount, but never allow free packing for cash in advance. All wholesale prices are for goods in nursery, packing, etc., extra. Now this is the report as prepared in the proceedings of the American Association with the exception named.

The following are the recommendations made by a special committee on trade terms appointed by the Western Association of Nurserymen at its Kansas City meeting in December, 1914, to formulate the terms of payment in the nursery trade, and to make their report to the National Association in Detroit with the view of having that Association adopt a specific schedule of terms to be universally used in the nursery trade in the United States. These recommendations were made and referred to the Executive Committee.

The understood trade terms in the wholesale nursery business in vogue for the last twenty-five years or more are: Settlement December 1st for fall shipments, and June 1st for late fall shipments intended for spring trade, and for spring shipments.

Why should we have two pay days in a year, and why select December 1st and June 1st? Let us forget that such days as December 1st and June 1st exist.

Many of us do not begin to make any shipments until after the middle to the last of October, in the fall, and the majority of our shipments are made early in November. Fall payments, December 1st, are too early. In the spring we begin first to middle of March, and payment, June 1st, is later than it should be. Northern and eastern nurserymen do much of their business in May. Surely June 1st is too early for them to comply with June 1st payment.

We ship buds in June and July, the main expense of which is labor—a cash proposition; payments for buds should be made before December 1st.

Every wholesale business has understood trade terms with discounts for prompt payments. We have not. There is no inducement for a buyer to pay his bills promptly, as we allow no cash discount.

It would be more satisfactory to make terms to nurserymen as follows:

Net 60 days from date of invoice, with discount of 2 per cent. 10 days; 1 per cent. 30 days. When cash in advance is demanded, allow 3 per cent. cash discount, but never allow free packing for cash in advance. All wholesale prices are for goods in nursery, packing extra.

Late fall shipments intended for spring trade, June 1st net, or 4 per cent. discount if paid in 30 days from date of invoice.

This would allow ample time to get returns, be an inducement for the prompt-paying customer to discount his bills and, in our opinion, would improve collections.

We issue wholesale price lists which are sent broadcast to the trade. The quotations are generally made "per 100" and "per 1000." Again, quotations are made "per each." These prices get into the hands of all classes of buyers. The buyer wants twenty trees; he expects them and gets them at the lowest quoted "each rate," or from firms quoting only "per 1000."

Some firms offer thirty plants or trees at the 100 rate, 300 at the 1000 rate; others 25 and 250 respectively; still others 50 and 500 at the 100 and 1000 rate. There should be uniformity in this matter. In justice to the good of the trade printed quotations should always be made "per 100" and "per 1000," never "per each;" and published quantity privileges should be the same in all wholesale price lists, viz.: 50 at the 100 rate, 300 at the 1000 rate.

A great many abuses are creeping in among local dealers and small nurserymen in the way of complaints. They accept shipments of stock, and some of them do not attempt to make payment until the middle of

June or later, and then report that certain items were dead when received, or did not grow, etc., paying no attention to reporting on shipments of stock when received.

We recommend that there be printed, on every bill head and in every price list, a clause reading: "No claim for rejections or deficiency will be entertained unless made within ten days after arrival of goods."

This report was unanimously adopted. It will be the report which will be presented to the American Association of Nurserymen at its meeting in Milwaukee next June and which without doubt will be adopted.

Thus the two largest associations of nurserymen in the country will have agreed upon terms for payment of bills and there will have been an approach to the business-like methods of other wholesale trades.

In the last issue of *American Fruits* was an editorial on this subject of nursery trade terms. We are glad to note the action of the Western Association in the matter. Strange that the American Association should not have taken the initiative. We have repeatedly directed attention to the greater activity and closer application to practical trade topics on the part of the Western association. We hope to see a leaf taken by the national association from the overflowing note book of the Western association.

### To Employ Fruit Expert

Efficiency, the keynote of modern progress has struck Berrien county, Michigan, in general and the fruit growers in particular.

A fruit expert from the north end of the county will be the first step toward advancing the fruit industry if the campaign succeeds which was launched last month at a combined meeting, held in Benton Harbor, of the most prominent growers of this section and members of the Benton Harbor and St. Joseph chambers of commerce.

Hale Tennant secretary of the Berrien county Horticultural Society, W. H. Winslow, president of the St. Joseph Michigan Fruit Growers' Association, M. Hoffman, of Royalton township, chairman of the agricultural committee of the St. Joseph C. of C., F. Hindebrand, W. P. Bouwer, prominent growers and members of the same committee, D. W. Sutherland, chairman of a similar committee in the local C. of C., J. J. Jakway, former member of the state legislature and prominent grower, Roland Morrill, C. A. Pratt, two of the largest growers of this vicinity, R. A. Smythe secretary of the state organization, F. J. Quinn, secretary of the St. Joseph Chamber, H. G. Krake, newly appointed secretary for the local Chamber and F. M. Vawter, president of the same, composed the committee which considered the proposition of a fruit expert for the north end of the county.

This body of representative men unanimously voted to take immediate steps for raising of funds to hire a competent expert who will devote his entire time to the immediate district surrounding the Twin Cities.

The Western Association of Nurserymen has an excellent idea in the appointment of an efficiency committee—a suggestion by E. P. Bernardin who has been made the chairman, with George Marshall and W. C. Reed as associates. The committee will make a valuable report at the next annual meeting.

The appeal by Brown Brothers Co., Rochester, N. Y., from the decision of the lower court in the tree case of C. S. Lunt referred to in these columns, has been decided in favor of Mr. Lunt.



## Regulation of Nursery-Stock Sales

Little if any foreign legislation apparently exists relative to guaranties of the genuineness of nursery stock. Reports received from consuls in England, France, Germany, Austria, Hungary, the Netherlands, Japan, Australia, and Canada are to the same effect as the following statement regarding the Netherlands:

"With reference to the law in this country under which nurserymen are compelled to furnish buyers with trees and plants true to name and the penalty prescribed in the event of misrepresentation, the Netherlands has no special law on this subject, and the obligations of contractors in this particular business are governed by the civil and criminal codes of the country."

Only two countries, Hungary and British Columbia, are reported as having special legislation or regulations relating to sales of nursery stock, and that of British Columbia is directed only against the importation of diseased nursery stock.

### NO SPECIFIC LAW IN GERMANY

Consul General Robert P. Skinner reports that there is no special legislation in Germany which applies to careless or intentional deliveries of nursery stock which prove untrue to name. If bad faith were involved

in the transaction, the German Civil Code would cover the case, and action would lie for any damage actually sustained. Practically this legislation is of little value in protecting buyers of nursery stock. It requires years, very often, to determine whether or not the species delivered is true to name. In the United States reputable nurserymen sell under a contract to replace trees or purchase money when mistakes are made, and German practice has not gotten much beyond the same system.

The principal German nurserymen are organized as the Union of German Nursery Owners, whose honorary president replies to an inquiry addressed to him on this matter as follows:

"There exists in Germany, or, so far as I know, in any European country, no provision of law or regulation according to which nursery owners are obliged to deliver trees or plants with true statements of their names—that is to say, under guaranty as to their variety.

"The owners of nurseries of most of the provinces have engaged in a contract with their respective chambers of agriculture, according to which the nurseries give a guaranty for the correctness of the variety

of delivered fruit trees."

### IN HUNGARY AND BRITISH COLUMBIA

Consul General William Coffin, at Budapest reports that Hungary has no specific laws or ordinances governing the sale by nurserymen of plants and trees true to name, although vine growers are quite effectively protected by an ordinance issued in 1896 in which the different varieties of grapes are minutely described.

Consul General Robert E. Mansfield, Vancouver, reports that the British Columbia Agricultural Association's act of 1914 provides that "The Lieutenant Governor in Council may make regulations for the inspection and disinfection or destruction thereof of non-fruit-bearing trees or shrubs which may carry contagion. \* \* \* All nursery stock, trees, or plants imported into this Province are subject to inspection at the provincial fumigation station at Vancouver, except in case of palms, fibrous plants grown under glass, conifers, and evergreens."

### ENGLISH GENERAL LAW

According to information supplied by the Board of Agriculture and Fisheries, the sale of trees or plants is governed in England by the general law of contracts for the sale of goods.—Commerce Report.

### American Nursery Stock in Brazil

U. S. Consul General Gottschalk, Rio de Janeiro, says:

People in the United States, and particularly nurserymen, are apt to think of Brazil as having a tropical climate throughout its vast extent of territory. This is quite incorrect. To be sure the summers are hot, and rather torridly tropical from Rio de Janeiro northward than otherwise; but the vast extent of southern Brazil is decidedly temperate in climate in most places, and throughout the Republic the hill resorts affected by people for country residence are decidedly temperate in climate. A large dealer in nursery stock in this city tells me that many of the "Luther Burbank" varieties of scientifically improved orchard trees are known here. Among other unexpected things I found that one dealer had imported a considerable number of Santa Rosa spineless cacti.

It would, of course, take considerable advertising to introduce Northern fruit trees in any quantity into even the more favorable localities of Brazil; but numerous Brazilians are of the opinion that it might be done successfully, and probably many more would be interested if the first experiments were at all productive. I am told that grapevines, and peach, pear, and apple trees would find the greatest chance here among the fruit farmers of the uplands and of the South.

But on the question of fruit farming let there be no misunderstanding. There are very few fruit or truck farms of any kind here, and the attempt would be a costly one, to be carried on only in conjunction with some established trade, say in fresh or dried fruits, or canned goods. The very fact that there are few orchards or properly organized truck farms to supply the larger cities is what would open, to a remarkable degree, a trade in both fresh and dried fruits from foreign countries if the supply could be made regular, the price kept down to suitable limits, and reasonable credit extended.

### 70,000 Olive Buttings

Over 70,000 olive cuttings are being planted in the large glass hot houses recently erected on the Murdock ranch, a mile west of Orland, Cal. These cuttings, which it is expected will go a long way toward relieving the local and west side demand during the coming season, are being planted by J. J. Lachenmyer and J. H. Smith, both seasoned nurserymen and orchard growers. Two varieties, the Mission and the Manzanillo, are being put out, over half of the 70,000 slips having already been planted.

Just say you saw it in AMERICAN FRUITS.

### Problems in Fruit Growing

Dean Beverly T. Galloway of the New York College of Agriculture, at Cornell, speaking in Rochester, N. Y., before the Western New York horticultural society, said that fruit growers now face an entirely new set of conditions, and that success depends upon how these conditions shall be met.

He pointed out that for the past two years the staple products like wheat, corn, and oats, and even cotton, are finding ready markets, demanding good prices, while such crops as fruit, certain types of vegetables, and flowers are moving with extreme slowness and, in some instances at least, are virtually stagnant.

Flowers, the more specialized vegetable crops, and fancy fruits being in the nature of luxuries, are naturally the first crops to feel the effect of war. Property values are being destroyed in Europe at the rate of 30 to 40 million dollars a day and, according to Dr. Galloway, the whole world must share in this loss.

### CONSTRUCTIVE PROGRAM

Dean Galloway offers three definite suggestions: First a state supported organization, one of whose functions would be to aid the fruit growers in the following program of work: that small groups of men be brought together with common motive and common purpose; that through these groups better production, standardization, branding, packing, and marketing be secured; that the small groups be correlated into larger working units; that market surveys be organized; that the practicability of consumers' selling agencies, and the joining of these to the fruit packing units be investigated; that a market news service be developed; that methods in financing co-operative organizations be improved; and that legal questions be solved to the end that organization may be effected and conducted in accordance with the best interests of public policy.

As the second part of this constructive program he advocates systematic work by the state college of agriculture to develop social preparedness and social consciousness

and the spirit of working and living together, in addition to special courses designed for the training of leaders capable of constructive work in the field of marketing and distribution.

As a third feature he proposes a concerted movement on the part of all interested in the more perishable products, toward broadening the vision of both producers and consumers. He thinks that this may be done through conferences, preferably under the direction of the state department of agriculture.

### THE PINCH ALREADY FELT

We are already beginning to feel the pinch of the situation, according to Dean Galloway, in the products enumerated above. The war, coupled with a previous lack of thought for the marketing and distribution of fruit products, makes it necessary for those engaged in the fruit industry to receive, weigh, and act upon all suggestions for meeting new and changed economic conditions. For the next ten years, and perhaps for the next twenty years, the commodities in most demand will be those which the world most seriously needs for the commonest foods and textiles.

Dr. Galloway points out, however, that no specific panacea can be offered, and that for a good many years every effort will have to be bent toward creating a new state of mind, and he holds up the citrus growers as an example for New York fruit growers. "Compared with other fruit industries, the production, distribution, and marketing of citrus fruits is as the well drilled co-ordinated army corps is to the undrilled inefficient raw militia. The secret of success of this organization is its aggressive attitude that it is out to dispose of its product. Other points in its success are its standard and guaranteed brands, its unified system of harvesting, packing, storing and marketing, its corps of advertising, investigative, and informational agencies. The activities of this organization have particular significance to New York fruit growers especially New York apple growers."

Just say you saw it in AMERICAN FRUITS.

## Events in Nursery and Orchard Rows

**Black Knot on Trees**—Frequent inquiries are coming to the College of Forestry concerning Black Knot, which develops upon the twigs and branches of several of the common trees such as oak, maple, and hickory. These black knots give an unsightly appearance to the trees and often cause death to the branches. As a matter of fact, very little is known as to the cause of these knots although probably insects have something to do with their formation. They are not caused by fungi as in the case of many such knots or burls in the pine trees. Neither are they like the common black knot of cherry and plum which is caused by a parasitic fungus. The Department of Forest Botany in the College of Forestry at Syracuse is making an investigation of these knots or tree tumors. The object of the investigation is to determine the distribution of the trouble, the kinds of trees that are affected, the loss or injury caused by them, and if possible, methods of prevention. The College will be glad to have specimens of black knots upon all kinds of trees and from different parts of the state. The young or beginning stages of the knot are necessary for the determination of the cause of the trouble. Once the cause is known, a means of controlling it may be determined.

The plants of the California Co-operative Peach Growers' pool have been furthered by naming May 1 as the date when the fate of the movement will be formally proved by having subscriptions total \$600,000, and the signed-up acreage represent 75 per cent. of the state's peach orchards. The directors have hopes that the complete capitalization of \$1,000,000 will be raised by the time the actual handling of the 1916 crop starts.

"You are issuing a splendid Journal, covering the news of the trade from coast to coast."—E. S. WELCH, President American Association of Nurserymen.

### Heavy Fire Blight Loss

That fire blight in orchards of Yakima county has resulted in the cutting out of trees on 2,000 acres, causing a loss of \$100,000 in the assessable valuation of Yakima county lands and has reduced the loan value of Yakima orchards by \$2,500,000, are statements contained in the annual report of District Horticultural Inspector. He states that agents of loan companies have informed him that the loan value of orchards, formerly \$200 per acre, has been reduced 25 per cent. as the result of the blight. The inspector informs his superiors and the county commissioners, to whom a copy of the report was furnished, that with proper co-operation by owners of orchard lands, inspectors and officials, blight can be entirely eradicated during the coming season.

### W. Va., Md. and Va. Fruit Co-operation

A movement of the fruit interests of West Virginia to join with Maryland and Virginia was launched at the recent annual convention of the West Virginia Horticultural Society in Morgantown, when a committee was appointed to confer with the fruit associations of those two states about co-operation. Officers: President, D. A. Arnold, Keyser; secretary, Carlton C. Pierce, Kingwood; treasurer, C. W. Boyer, Martinsburg. Virgil Vandervort, Morgantown, won sweepstakes prize for best general display of fruit, and first prize for best barrel display went to T. J. Johnson & Son, Williamstown.

"One of the best fruit growing regions in the whole United States," is the term that T. J. Maney, horticulturist at Ames, applies to the southwestern sections of Iowa. "In the first place," says Mr. Maney, "the climate of this section is ideal for fruit growing and the soil excellent. Orchards planted there grow if properly cared for."

"Ye shall know them by their fruits." Yea, verily, Nurserymen are known by their American Fruits.

### State Marketing Association

A tentative state organization was formed to arrange a marketing system for prunes and apricots, and Colonel Harris Weinstock, new state market director, outlined his plans at a mass meeting attended by more than 2000 people at San Jose, under the auspices of the prune and apricot growers' committee. This committee put prunes on a 5-cent basis last year, adding several hundred thousand dollars to the country's income at a cost of \$21.

Colonel Weinstock's proposition was an organization of growers patterned somewhat after the Orange Growers' Association in the South, organized so that it could handle the entire California prune and apricot crop in the East on a business basis, and borrow money at the lowest interest rate in the United States. He advocated a working fund of \$250,000, raised on an acreage plan; State inspection, standardization of packs, and warehousing of fruits, so that the directorate would be able to make use of state indorsed warehouse receipts.

"Band your trees now," said Prof. Charles Scott, of the Kansas State Agricultural college, state forester, in talking to the Topeka Federation of Women. If the bands are put on before the frost comes out of the ground your trees will be spared the canker worm. Prevention is worth more than a cure. Protect your trees from the over hanging branches of unbanded trees. The canker worm is wise."

It is reported that a Rochester, N. Y., nursery company is negotiating for the purchase of 100 acres of land south of Fayette, N. Y., on which to plant apple and pear trees.

Have you your copy  
American Fruits  
Directory of Nurserymen?  
1915 Edition



Photograph Taken September 6, 1915. One of the New Varieties of Everbearing Strawberries as Grown by the Gardner Nursery Company, Osage, Iowa



67th Year **NOTICE** 67th Year

## TO OUR CUSTOMERS and FRIENDS:

We wish to notify the Public that we will continue in active business, prepared to fill all orders promptly and carefully with **High Grade Nursery Stock**.

For Spring we can offer attractive prices on Peach, Apple, Kieffer Pear, Asparagus, Privet and a general line of Shade and Ornamental Trees; an extra fine lot of 1 year Planes, Silver Maples and Privet for transplanting.

Send us your **Want List** and do not place your orders without getting our prices.

**Franklin Davis Nursery No.**

WM. F. STONE, Trustee

Baltimore,

Md.

Mention "American Fruits"

**SPECIAL NOTICE**

We Have the Very Best

**APPLE, PLUM, PEAR, PEACH, QUINCE, APRICOT, CURRANTS, PRIVET, ROSES, SHRUBS, AND ORNAMENTAL TREES.**

**SPECIAL ATTENTION** given to dealers' orders

Let us quote you on Car-load Lots

**MANEY & SAYRE INC.**

WHOLESALE NURSERIES

GENEVA,

N. Y.

**NEW PEACH—WILMA.** Originated in the famous peach belt at Catawba Island, Ohio. Selection from several thousand Elberta seedlings, several hundred of which were tested in orchards. An Elberta type of peach both in foliage and fruit, but one week later. Heretofore our stock has been used in the vicinity where it originated. Offered to trade in limited quantity.

W. B. COLE, Painesville, O.

**THE VERY BEST**

Apple Trees, one and two years  
Grapes Rhubarb  
Cherry Peach

True Myatt's Linnaeus, Divided Roots  
Kieffer Pear

**SHADE AND ORNAMENTAL TREES**

American Elm  
American Sycamore  
Cornus Florida  
Kentucky Coffee  
Silver Maple  
Cut Leaved Maple  
Carolina Poplar

Bechtel's Flg. Crab 4 to 5 ft. and 5 to 6 ft.  
Catalpa Bungei, straight stems  
Catalpa Speciosa  
Honey Locust, Thornless and Common  
Tulip Tree  
Volga Poplar  
Texas Umbrella

**ORNAMENTAL SHRUBS**

Althea  
Calycanthus  
Cydonia Japonica  
Cornus Siberica  
Deutzia  
Eleagnus  
Forsythia  
Upright Honeysuckle

Lilac, Common and Named Sorts  
Philadelphus

Spirea

Viburnum

Weigelia

Hydrangea Arborescens Grandiflora

Hydrangea Paniculata

"The Hydrangea we offer are strong, vigorous plants. An unusually good lot."

**PRIVET**

California, 1 year, 12 to 18, and 18 to 24.

2 years, transplanted, 2 to 3 ft. and 3 ft. and over

Amoor River, 1 year, 12 to 18, and 18 to 24.

2 years, transplanted, 2 to 3 ft. and 3 ft. and over.

**ROSES**

Excelsa, a fine crimson Rambler  
Dorothy Perkins

White Dorothy Perkins

Forest Tree Seedlings

Apple Seedlings

Apple Grafts

**J. H. SKINNER & CO.,****TOPEKA, KANSAS****KNOX NURSERIES****Cherry Trees**

One and two years old. The best the market affords

**H. M. Simpson & Sons,**

VINCENNES, IND.

**BERCKMAN'S**

Dwarf Golden Arbor-Vitae

(Biota Aurea Nana)

Camellias, home-grown  
Azalea Indica, home grown  
Texas Weeping Mulberry, extra heavy  
Lilacs, best named sorts  
Grafted Wistarias, 2 to 4 years old  
Biota Aurea Cons. trees, all sizes  
Biota Japonica Filiformis, 1 to 4 ft., fine an  
Magnolia Grandiflora. Magnolia Fuscata.  
Magnolia Purpurea. Erechtia Grandiflora  
Deutzia. Philadelphus

We have a large stock of fruit trees, ornamental trees and shrubs

All orders receive prompt and careful attention

P. J. BERCKMANS CO., Inc.

Fruitland Nurseries

Established 1886

AUGUSTA, GA.

March means to you, Mr. Buyer, that Spring is here. You ought to have your order placed. But if not, and you want good stock and prompt shipments, please let us serve you.

A near complete line of

**Fruit and Ornamental Trees**

**Top Notch Berberry Thunbergii, 3 yr. stock and ONE YEAR SEEDLINGS**

California Privet

Roses, H. P. and Climbing

A long list of Shrubs, Asparagus and Rhubarb

Send for Bulletin

**C. R. BURR & CO.**  
Manchester, Conn.

When you are ready to place your order for Apple, Standard and Dwarf Pear, Cherry, Plum, Roses, etc. for spring 1916, write,

**C. W. McNAIR**

Dansville,

N. Y.

Prices right

STOCK IN STORAGE

Prompt Shipments

**Portland Wholesale Nursery Co.**

Rooms 6 and 7, 122 1-2 Grand Ave.

PORTLAND, ORE.

Wholesalers of

Nursery Stock and Nursery Supplies

A very complete line of Fruit and Ornamental Trees, Shrubs, Vines, etc.

SPECIALTIES

Clean Coast Grown Seedlings, Oregon Champion  
Gooseberries and Perfection Currants

Write now

# Immense Deposits of Fertilizers

Secretary of Commerce Redfield, at Washington, writes:

Your attention is invited to a copy of an identical report presented by the Chief of the Bureau of Soils of the Department of Agriculture to the Secretary of Agriculture and by the Commissioner of Fisheries to me concerning the large bone deposits which have been found to be available on the Pribilof Islands. They represent the accumulations of a century or more and constitute probably the largest known bone deposits in the world. They have not been fully surveyed but one of the deposits (and there are many) lies at the water-front and is a mile long by half a mile broad. Its thickness is not fully determined but an average depth of two feet is perhaps a reasonable estimate, and in places where it has been exposed by the sea or by workings, it is known to be six feet deep.

The value of these deposits is large, certainly it runs into the millions, possibly into many millions of dollars. The physical conditions have preserved the fertilizing properties of the bones in a remarkable way, as the analysis shows. Our agriculture greatly needs this material and the demand is such that the wholesale price for raw ground bone was \$85 a ton in December. Grinding is cheap, costing say 75c a ton. An abundant supply of labor is available on the spot.

The problem of utilizing this immense deposit is one of transportation. It immediately concerns the farmers of our land to have it brought into use as promptly and as cheaply as possible. Here are many cargoes available, calling for transportation, of a material the country needs. Here is a government asset of undetermined but great value. Here is the fertilizer of which our fields are in need. Where are the ships to bring it to market? The deposits are government property to be developed for the account of the public treasury, and ordinary business sense dictates that the development should be as prompt as possible.

WILLIAM C. REDFIELD,

Secretary.

Hon. J. W. Alexander, Chairman,  
Committee on Merchant Marine  
and Fisheries.

## California Fruit Acreage

Reports as to the acreage in fruit in California made by George P. Weldon, chief deputy State Commissioner of Horticulture, indicate that when trees now planted come into bearing within the next three years, the acreage of bearing orchards will be almost doubled in most lines.

Following are the acreages of bearing and non-bearing trees for the various different varieties:

	Bearing	Non-Bearing
Apples .....	38,410	22,430
Apricots .....	40,898	14,553
Berries .....	10,468	112
Cherries .....	8,260	4,193
Figs .....	5,709	2,413
Lemons .....	18,422	18,228
Oranges .....	112,926	55,527
Olives .....	15,642	11,574
Peaches .....	113,725	31,163
Pears .....	17,779	19,649
Plums .....	16,410	5,751
Prunes .....	91,470	24,774
Walnuts .....	34,453	20,362
Almonds .....	18,602	15,473

A vacancy has been caused in the superintendency of the Boxford Nursery, Boxford, Mass., by the resignation of Robert C. Young who has joined his father John A. Young in the nursery business in Greensboro, N. C.

A paper which gives the best value for the money to the reader will give the best value to the advertiser as well. I don't think there is any argument about the soundness of this view.—H. Dumont, Chicago, Ill., in Printer's Ink.

Just say you saw it in  
AMERICAN FRUITS.

To Sojourning

NURSERYMEN:

HORTICULTURISTS:

*When in Rochester, N. Y., the hub of the Western New York Nursery and Orchard districts, make your headquarters at the offices of the American Fruits Publishing Company, 121, 123, 125 Ellwanger & Barry building, 39 State street, in the heart of the city, from which easy communication may be had by telephone or by electric or steam cars directly with any point in the city or surrounding towns.*

*Have your mail directed to above address when contemplating a trip to Western New York.*

**To Swap Seasonal Fruits**—According to United States Commercial Agent Albert Hale of Buenos Ayres, the Chilean Fruit Growers' Association has authorized its agent, Amadeo Serafini, upon the completion of his work of introducing Chilean fruit into Argentina, to proceed to New York and endeavor to open markets here. It is understood that his plan is more or less reciprocal, contemplating plans for exhibiting American fruit in South America during their winter season and vice versa. He is said to believe that there is, both in the United States and in Argentina, and in Chile also, an extensive season during which many fruits and vegetables are not supplied by local producers. When practical arrangements are made Argentine and Chilean fruits and vegetables can be transported and sold in the United States, offering no competition to native products; and United States fruits and vegetables can be transported and sold in Argentina and Chile.

**Protection Against Leopard Moth**—The injection of bisulphid of carbon into the burrows of the leopard moth and the cutting off and destroying of affected branches are recommended in a new bulletin of the U. S. Department of Agriculture as the most effective measures for getting rid of this pest. The insect feeds on the wood of a large number of shade trees and shrubs and does much damage along the Atlantic Seaboard between Massachusetts and New Jersey and in the Hudson River Valley. In the caterpillar, or larva stage, the leopard moth eats into the tree upon which it feeds and not only checks its growth but so weakens it that it is often broken by heavy wind storms. The presence of the pest is indicated by the wilting of twigs or branches and by accumulations of sawdust-like castings at the entrance of the burrows.

## The Milwaukee Convention

Editor American Fruits:

Nurserymen everywhere are reminded that the forty-first annual convention of the American Association will be held in Milwaukee, Wis., June 28th, 29th and 30th.

Unusual interest attaches to this announcement. At the Detroit meeting last year a new constitution was adopted, the object sought being to increase the value of the organization to members by the larger scope given to its activities, with a multiplication of benefits to members, not the least of which is intended a greater volume of business and better profits. In fact the American Association of Nurserymen as it stands today, under the reconstruction plan decided upon at the Detroit meeting, occupies a unique position before the trade, and it is evident that the men whom the association expects to retain as members think more of their membership because of the action referred to.

A very comprehensive article, written by J. R. Mayhew, answering the question "Why I Should Retain my Membership in the American Association of Nurserymen?" has appeared in some of the trade publications, and sets forth in simple but convincing language the claims of the Association upon every reputable nurseryman in the United States.

Those desiring full information as to benefits and terms of membership, are asked to communicate with Secretary John Hall, 204 Granite Bldg., Rochester, N. Y.

The June convention will be a very business-like assembly, with a program of great merit.

JOHN HALL, Secretary.

Rochester, N. Y., Feb. 15, 1916.

The article by J. R. Mayhew, referred to above, has appeared repeatedly in *American Fruits*, the only trade publication in America which has featured it.

Twenty thousand trees will be distributed to schools throughout Michigan for planting next Arbor day. The trees are grown by the M. A. C. forestry department and given by the state board of agriculture.

"I enclose check for advertising in *American Fruits*. I already have more replies than I can fill orders for; but owing to the good results I got from it you may run the advertisement another month."—D. H. Belis, Penn Yan, N. Y.



POWER TRACTOR—DIGGING TREES  
Corn Belt Nursery & Forestry Association, Bloomington, Ill.



**MOUNT ARBOR NURSERIES****E. S. WELCH, Proprietor****140 Center St.,****Shenandoah, Iowa**

A Complete Line of High Quality Nursery Stock for

**WHOLESALE TRADE****APPLE TREES**—Over 100 Varieties**CHERRY, PLUM, PEAR, PEACH****BLACKBERRIES**—Large stock root cutting plants**GOOSEBERRIES, CURRANTS, RASPBERRIES,****ORNAMENTAL TREES, SHRUBS, VINES****ROSES**—Immense stock hardy kinds**PLANTING STOCK****APPLE GRAFTS, FRUIT TREE STOCKS, ORNAMENTAL SHRUBS and DECIDUOUS SEEDLINGS**

Ask for Spring Trade List and Bulletin

Always pleased to Quote Prices

**A Word About Preparedness**

Not for War nor yet for Peace, but just for Planting. Are you prepared for your spring planting? Got all the stocks you are going to put out? Because if you haven't it's time you got busy. Now if you've watched these things during many years, you will have noticed that when prices are up, growers plant; when they are down, they don't; and that is why prices fluctuate so violently in the nursery business. Orders for French stocks ought not to be delayed. I represent F. Delaunay, Angers, France: a good grower; a liberal and even grader; a careful packer; expenses for freight, duty and importing will be what they are—no more; prices and service can't be bettered. Try it. Glad to show you.

**SURPLUS STOCK.** Yes; there is some. I have a line on some good items that I can sell in quantity at interesting prices, because I have no brush-heap; I buy only what I sell, know what, where and how to buy, and I have no big overhead expense. And you save it in the price, plus quality, without which I wouldn't try to talk to you. If inclined to buy now or later, write me; costs a stamp, saves dollars.

**JOHN WATSON**

NURSERYMAN

**NEWARK, NEW YORK**

March 1, 1916

**W. B. Cole, Painesville, Ohio****FRUIT TREES**

Apple, Dwarf Apple, Pear, Peach. Three grades, over 50 varieties.

**SMALL FRUITS**

Currants, Gooseberries, Grapes, Blackberries, Black and Red Raspberries.

**ORNAMENTAL TREES**

Catalpa Bungei and Speciosa. American and Scotch Elm, up to 3 inches. Silver and Sugar Maples, up to 3 1-2 inches.

**SHRUBS**

Althea, Berberry, Cornus, Gol. Elder, Forsythia, Philadelphus, Hydrangea, Snowberry, Spirea.

**HEDGE PLANTS**

Privet, California and Vulgaris. Berberis Thunbergi.

**EVERGREENS**

Arborvitae, American and Pyramidal, Pine-Mugho, Hemlock, Retinosporas.

**ROSES**

Hybrid Perpetual, Climbing, Moss Roses, and Standard Roses.

**VINES**

Ampelopsis Veitchii, Honeysuckles, English Ivy.

**PERENNIALS**

Chrysanthemums, German Iris, Japan Iris, Delphinium.

**We Offer for Spring 1916**

California Privet by the car load. We grow hedge by the 100,000 and can make close prices on car load shipments. Send for sample.

**KEIFFER PEARS**

We have some extra fine trees.

**PEACH SEED**

We can offer N. C. Peach Seed put up in barrels ready to plant in the Spring.

**PEACH TREES OUR SPECIALTY**

We have 200,000 in various grades. Our trees are true to name. We have our own orchards, where every variety has been tested. We have all the leading varieties. Let us send you sample.

**Try a Few LOWRY APPLE**

One of the coming commercial apples.

Besides these specialties we have a general line of Fruits and Ornamental Stock.

Write for surplus list.

**W. T. HOOD & CO.**OLD DOMINION NURSERIES  
RICHMOND, VA.**We Offer the Trade for****Winter or Spring Shipment****APPLE**—A choice lot. 1 inch up.**PEACH**—General assortment in all grades.**PLUM AND APRICOT****PEAR**—Kieffer and Garber. Extra Heavy. Fine.**PECANS**—All grades up to 4 to 5 foot.**FIGS AND MULBERRIES****SHADE TREES**—General assortment.**EVERGREENS, ROSES, ETC.**

Our stock is complete and your want list will be appreciated. Attractive prices on mixed car lots.

**WAXAHACHIE NURSERY COMPANY****J. R. MAYHEW, Pres.**

WAXAHACHIE,

TEXAS

# Plant Growing of Village Is \$100,000 Industry

Staff Correspondent Benton Harbor, Mich., News

One hundred and fifty-five thousand descriptive booklets numbering approximately five million pages profusely ornamented and decorated with cuts and type in three colors, red, green and black will during the next four weeks make the little postoffice of this village one of the busiest places on Uncle Sam's postal map.

This means, in brief, that the season of the year is at hand when the "strawberry market of the world," announces and calls attention, through the thousands of catalogues sent broadcast over this country and its island dependencies that another planting and growing period for the sweetheart of the shortcake has arrived.

Bridgman, fifteen miles south of Benton Harbor is the greatest strawberry growing, plant selling and berry marketing village in the world.

There are, engaged in the nursery business in this village six different firms, numbering the great O. A. Baldwin fruit farms, the C. E. Whitten and A. R. Weston farms and others of lesser light, the Stahelin, Roakley and Myres nurseries companies.

Baldwin, Whitten and Weston are the pioneer nursery houses of this section. The Baldwin farms, under the management of O. A. Baldwin, are the largest in this section of the county numbering some 600 acres, 400 of which are under plant growing cultivation.

From the first of March until the middle of April these farm centers of industry are beehives of activities, thousands of orders flood the mails keeping upwards of 600 men,

women and children, all winter-idle farmers, busily engaged in digging, packing and shipping the plants.

While strawberries make up the great bulk of the Bridgman nursery business, cane fruits, tree fruits and even potatoes are included in the handsome catalogues, which numbering from 20 to 36 pages were referred to in the opening paragraph of this article.

During this period, lasting some six weeks or more, it is conservatively estimated that over \$100,000 is brought into this community in exchange for the plants. Next to fruit harvesting this is the chief source of revenue of the Lake township village.

Well informed estimators state that some 30,000,000 strawberry plants are annually shipped from Bridgman. Some 3,000,000 cane plants are also shipped each season.

At the Baldwin farms most of the stock is raised but the other five nurseries purchase most of their plants from farmer growers under contract. It is estimated that nearly 1,000 acres are under fruit plant cultivation.

Besides building up great industries in this village, the nursery business aids all Berrien county. Hundreds of dollars are spent in the print shops of the twin cities each year for the catalogues and stationery used by these firms and hundreds of dollars are spent at the various mercantile establishments of discarded boxes and barrels in which the plants are shipped.

To the community of Bridgman the industry is a god-send. It comes at a time of the

year when the farmers have to spend much of their yearly savings for winter keep and it gives them funds to pay their accumulated bills. The year starts in Bridgman in March with the opening of the plant digging season.

It is safe to say that not only is Berrien county the greatest strawberry shipping county in the world but also the source of over three-fourths of the world's supply of plants. Honor for this goes to the nursery business houses of Bridgman.

## New York Company's Protest

The F. W. Kelsey Company, New York, sent a communication to the Federal Horticultural Board, Washington, D. C., on February 4th regarding the proposed quarantining because of the white pine blister rust, in which it said:

While all interested parties should wish to co-operate with your Department and State Departments in preventing the spread of injurious insects, etc., yet the inconvenience, loss and suffering from a domestic quarantine, like the one in question, equivalent to erecting a Chinese wall as between the States in so far as the quarantine might be applicable, must, we believe, appeal to your consideration in not attempting the application or enforcement of such a quarantine, unless an absolute necessity, and unless and not until such other means in preventing the spread of Pine Rust have had further trial.

George W. Jones, Valdesian nurseries, Bostic, N. C., writes: "Business looks good; from the outlook now will exceed that of any season in the last four or five years."

Just say you saw it in AMERICAN FRUITS.



Breeding Grounds of the Everbearing Strawberries, at Gardner Nursery Company's Property, Osage, Iowa



**Hathaway's Berry Plants**

(Lake County, Ohio, Grown)

You cannot buy better, even though you paid more  
**Blackberry, Raspberry, Strawberry**

The leading varieties—in large quantity, including also the fall bearers, are offered the trade at **Attractive Prices**—also 250,000 Lining out sizes at a bargain. Send along your want list in exchange for my variety list and quotations by letter. I want your order.

**Growing Splendid Plants and Berries is my business  
Prompt Service is my Hobby**

When you want Plants and Service as good as Hathaway's



**You Should Buy of Hathaway**

Yours for Quality Plants

WICK HATHAWAY

Madison, Lake Co., Ohio

**Headquarters For Fruit Plants**

Million of Lucretia, Austin and Premo Dewberry plants

Million of St. Regis and other Raspberry plants

Lot of Blackberry R. C. plants, Grape Vines, Gooseberry, Asparagus and Rhubarb roots

100,000 Privet from 6 to 30 inches—1 year old—fine

Millions of privet cuttings—no better plants grown

**Try BORGO'S plants, vines and roots first**

Send for Price list

**MICHAEL N. BORGO**

VINELAND,

NEW JERSEY

**EVERBEARING STRAWBERRY PLANTS**

If you need Everbearing strawberry plants to fill spring orders or wish to increase your planting in nurseries, we can supply you with genuine **PROGRESSIVE** Everbearing plants, guaranteed to be **TRUE TO NAME** and handled so as to reach you in best of growing condition. Write for prices.

We have been growing and breeding the Everbearing strawberries for the past eight years and have many new varieties in our experimental grounds not yet for sale. We invite a personal visit to our grounds during fruiting season, preferably during August or September. The latch string is always out. **THE GARDNER NURSERY COMPANY.**

Drawer 102, Osage, Iowa

**Strawberry Plants****In Large Quantities**

We have a big stock of practically all the standard commercial varieties. Healthy plants, good roots, true to variety name. You can depend on them every time. Write for list—or tell us what sorts you need.

**Apple and Peach Trees** in extra choice stock—grown for a select trade. Write us for complete list and special prices.

**J. W. JONES & SON**

Box M

ALLEN, MD.

**STRAWBERRY**

Plants by the 1000 or 100,000; none better; true to name. Prize seed corn, asparagus roots in large or small quantities. My fruits and poultry catalog sent free, with the information you want; 35 years' experience. Write today.

**JOHN W. HALL, Marion Station, Maryland**

**STRAWBERRY PLANTS**

I have a very large stock of all leading varieties. Big Stock of superb everbearing. Sworn statement showing that they fruit all summer. Prices on common varieties from \$1.50 per thousand up. Attractive trade list free. Send for a copy today. If you don't get my prices you are the loser.



**J. A. BAUER,**

Judsonia, Ark.

Lock Box 38

Dept. L.

**Grape Vines**

If you are in the market for fancy stock I have it

**Concord, Moore's Early and Niagara**  
in large quantities

**Fairfield Nurseries**

(CHAS. M. PETERS)

SALISBURY,

MD.

**SCARFF'S NURSERY**

Headquarters for

**Small Fruit Plants**

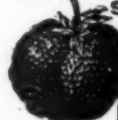
1200 Acres

"At It 25 Years"

Strawberries Currants Rhubarb  
Raspberries Gooseberries Asparagus  
Blackberries Grape Vines Horseradish  
Dewberries Privet Hardwood Cuttings

100,000 transplanted raspberry, blackberry and dewberry plants for retail trade. See wholesale list before placing your order.

**W. N. SCARFF, New Carlisle, O.**

**Strawberries**

Summer and Fall Bearing

Headquarters for Strawberries and Fruit Plants of all kinds. Raspberries, Blackberries, Currants, Gooseberries, Grapes, Fruit Trees, Roses, Shrubs, Eggs for Hatching, Crates, Baskets. Catalog free.

L.J. Farmer,

Fulaski, N.Y.

WE ARE

**Largest Growers in America**

OF

**Grape Vines**

Other Specialties:

**Gooseberries, Currants**

and other

**SmallFruits**

Introducer of the 3 Standard Fruits

**Campbell's Early The Best Grape**

**Josselyn - - The Best Gooseberry**

**Fay - - - The Best Currant**

Our supply of above varieties is always less than the demands upon us before shipping seasons close

High grade stock, grown and graded to our own standard, which we originated and adopted many years ago. We shall be pleased to supply your wants.

**The JOSSELYN NURSERY CO.,**  
FREDONIA, N. Y.



**P. D. BERRY, Wholesale Nurseryman, is offering for Spring trade 1916**

Black, Red, Purple and Yellow Raspberry, Blackberry, Dewberry, Gooseberry, Currants, Gooseberry rooted layer plants, Rhubarb, Horseradish, California Privets, Barbary THUNBERGII, Paeonies, Black Currant Cuttings, Spiraea, fifty thousand Black Currants one and two years, Raspberry transplants, etc. Stock in storage. Can ship any time.

Quotations furnished by letter

Dayton,

**P. D. BERRY**

Ohio

**Foster-Cooke Co.**

NURSEYMEN

FREDONIA, N. Y.

GROWERS OF

**Grape Vines, Gooseberries, Currants**

Our stock never looked better. Send us your list of wants. Our prices are right.

We grow our Stock up to **Quality and Grade**, not down to a price. Nevertheless, our prices are always in line. You can't afford to pay less, and there's no sense in paying more. If you are pleased with what you have been getting, you will be better pleased with our stock. Write for catalogue.

# Annual Meeting of Connecticut Nurserymen

F. L. THOMAS, Meriden, Conn., Secretary

The tenth annual meeting of the Connecticut Nurserymen's Association was held at Hotel Garde, Hartford, Conn., Feb. 18, 1916. Meeting called to order at 11:25 a. m., President W. E. Campbell presiding. After the president's address, minutes of last meeting were read and approved. The report of the treasurer showing the financial condition of the association to be in first-class shape, was presented, his books audited and report accepted. The report of the standing committee showed that nothing had come up during the year to cause great annoyance or much work.

No new business being brought before the association, we opened under the applications for membership. F. B. Kelly of Manchester, was proposed; ballot being spread, he was elected to membership. Under election of officers, W. E. Campbell of Elm City Nursery Co., New Haven, was re-elected president; F. S. Baker of New Haven, was elected vice-president; Mr. F. L. Thomas, general manager of the Pequod Nursery Co., Meriden, was re-elected secretary; W. W. Hunt of Blue Nursery, Hartford, re-elected treasurer.

The following program of entertainment and instruction was enjoyed: Address by W. W. McCartney, "Standardization of Nursery Stock"; address by Prof Ralph C. Hawley, "Results of Our Appearance Before the Federal Board in Washington, D. C."; address by J. R. Barnes, "Possibilities of Machinery for Reducing Cost of Labor in the Nursery Business"; address by Dr. George P. Clinton, "Heteroecious Rusts Found in Connecticut Nurseries"; address by Stephen Hoyt, "Is the Motor Truck Practical for Our Business"; address by Dr. W. E. Britton, "The Problem of Inspection Quarantine."

We were disappointed that two of our expected guests and speakers were unable to be present, viz: Alex Cumming, Jr., Cromwell, who was to speak on "Commercial Handling of Roses," and W. B. Hatch, who was to speak on "Suggestions from an Experienced Landscape Gardener." All speakers answered questions relative to their subjects.

The president made the following appointments: Standing committees for 1916: Legislative, F. E. Coe, New Haven, chairman; Stephen Hoyt, New Canaan; J. R. Barnes, Yalesville. Executive, W. W. McCartney, New Haven, chairman; Gustave Hinge, Hartford; F. S. Baker, New Haven. Entertainment, F. S. Hubbard, Bristol, chairman; Charles Turner, Hartford; E. A. Brassill, Hartford.



F. L. THOMAS, Meriden, Conn.  
Secretary Connecticut Nur. Assn.

K. E. Bragdon, deputy port and railway inspector of the State Plant Board of Florida, while in Mobile last month advised that no trees will be permitted to enter the state of Florida from Alabama or other gulf coast states, or to pass through the state of Florida, without the Florida state green tag, on which is printed permission to enter the state. Mr. Bragdon said the Alabama Horticultural certificate from Auburn, Ala., will not be accepted.

The Minnesota Horticultural Society will send out this year to its members, for trial, hybrid plums; a June-bearing variety of strawberry, Minnesota No. 3; an everbearing variety of strawberry, Minnesota No. 1017, and a red raspberry, Minnesota No. 4.

## Personal

The Elkon Nurseries have been established at Huntsville, la., by A. Elkon.

A. K. Gardner, Augusta, Me., has retired from the office of state horticulturist, to engage in the extension service of the University of Maine.

F. D. Hardenburg, who is a successful grape grower and prominent member of Portland, N. Y., grange, recommends the liberal use of fertilizer as one of the important units in procuring a good yield of grapes in both quantity and quality.

Prof. George B. Sudworth, dendrologist, Federal Horticultural Board, U. S. Department of Agriculture, Washington, D. C., has ordered twelve Sober Paragon chestnut trees of Col. C. K. Sober, Lewisburg, Pa., for planting in Letchworth Park, Castile, N. Y.

G. E. Prater, a prominent nurseryman of Paw Paw, Mich., a heavy stockholder in the Wolverine Nursery company and other organizations dealing with the marketing of farm produce has just been made a director of the J. B. Morey Wholesale Nursery company of Fredonia, N. Y.

Prof. Hansen was again elected to serve as secretary of the South Dakota Horticultural society, with only one dissenting vote at the recent annual meeting in Huron. This was the twenty-seventh annual meeting of the society and the twenty-first successive year that Prof. Hansen has been chosen secretary.

The Mason-Nalley Orchard Company, Martinsville, Ind.; capital, \$10,000; to operate and maintain fruit orchards and vegetable gardens in the state of Indiana; directors, Lawrence B. Nalley, Floyd Nalley, Benjamin F. Mason, Ada K. Nalley.

President Lloyd C. Stark, of the Western Association of Nurserymen, is quoted to considerable extent in a recent issue of the St. Louis Republic on the subject of national defense, arguing for preparedness. Lieutenant Stark is a graduate of Annapolis Naval Academy. He has studied conditions in South America, where he went in 1909 with Maj. Gen. Leonard Wood of the United States Army and Admiral Staunton and other naval officers. He has witnessed also the conditions in Turkey resulting from the Armenian massacres.



A Shipment of Progressive Everbearing Strawberries Ready for Transmission to Chicago Market, Sept. 1915. Gardner Nursery Co., Osage, Iowa



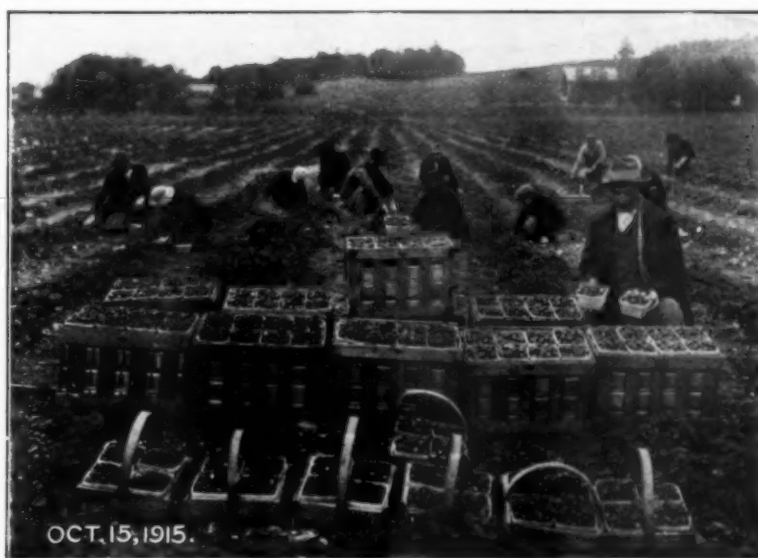
## Everbearing Strawberries In Strong Demand

Editor American Fruits:

That the Everbearing strawberry has come to stay, and that it will eventually largely supersede the common June fruiting varieties, is without a shadow of doubt. This past fall we picked 170 bushels of berries, all but about five bushels from plants set in the spring of 1915. This fall crop more than paid for all the labor put on the plants, including use of the land, fertilizer, etc., and now we have nearly 1,000,000 plants which, if we did not dig, would bear a full crop next June.

We grow principally the Progressive and Superb. The Americus is almost a failure with us. The Productive is worthless as a fall cropper. The Progressive is by far the greatest yielder in the fall, and in flavor is fully equal to the June sort. The Superb is large and perfect in shape, but not as good flavored or as productive as the Progressive for a fall cropper.

As a June cropper the Progressive begins fruiting with the very earliest summer varieties, but after the first few pickings berries



Gathering Fall Bearing Strawberries at Bert Baker's, Hoosick Falls, N. Y.

ries are rather small, caused by the great load of fruit that each plant starts. The Superb begins fruiting a few days after the Progressive and yields an enormous crop of extra large berries. I consider the Superb to be one of the most profitable berries to grow as a summer cropper alone.

BERT BAKER.

**SARCOXIE NURSERIES**  
**PEONY FIELDS**

### EVERGREENS

#### For Lining Out

Arboretum, Juniper and Boxwood, outdoor grown. Mallow Marvels for retail sales and lining out.

Rhubarb, fine stock.

Columbine, mixed colors.

**Sarcxie Nurseries Peony Fields**  
**WILD BROS NURSERY CO.**  
**SARCOXIE, MISSOURI.**

**850,000 Grape Vines, 69 Varieties**  
**50,000 Ornamental Shrubbery, 100 Varieties**  
**750,000 Small Fruits, 57 Varieties**  
**200,000 Perennial Plants, 120 Varieties**

Strong, young and thrifty, with excellent fibrous roots. Also lining out stock. Price list ready. **LEWIS ROESCH, Box W. Fredonia, N. Y.**

## T. S. HUBBARD CO.

FREDONIA, N. Y.

The longest established and best known growers of

## Grape Vines

And the LARGEST STOCK in the United States, including all the old and new varieties. The following in large supply:

Concord  
Niagara  
Worden  
Delaware  
Moore's Early

Brighton  
Eaton  
Diamond  
Pocklington  
Woodruff Red

Green Mountain  
Agawam  
Salem  
Lutie  
Campbell's Early

Also a large and fine stock of

### Currants:

Fay  
Cherry  
Versailles  
Victoria

White Grape  
Red Dutch  
White Dutch  
North Star

Black Champion  
Black Naples  
Lee's Prolific  
Moore's Ruby

Also a fine stock of the President Wilder currant

### GOOSEBERRIES

A fine stock of leading varieties. One and two years

### BLACKBERRIES

An unusually large stock of root cutting plants of our own growing

Send for our Price List and new illustrated Descriptive Catalogue

### STRAWBERRY PLANTS

Grown in the largest strawberry center in the world, we guarantee our stock strictly first class and true to name.

200,000 Sample	200,000 Sen Dunlap
100,000 Rewastico	4,000,000 Gandy
50,000 Oswego	60,000 Marshall
40,000 Pride of Del.	40,000 Success
75,000 Early Ozark	150,000 Glen Mary
400,000 Missionary	250,000 Haverland
600,000 Klondike	100,000 Aroma
250,000 Excelsior	50,000 Mascot
100,000 New York	400,000 Parsons Beauty
150,000 Stev. Late Champ.	100,000 Myers No. 1.

We have a large stock of several varieties not mentioned here. If it's strawberry plants you want, we can please you. We personally superintend the planting and growing of our plants. Before placing your orders elsewhere, send for list with prices.

### BUNTING'S NURSERIES

G. E. BUNTING & SONS

Box 30

Selbyville, Delaware

## R. B. GRIFFITH

FREDONIA, N. Y.

## Grape Vines, Currants and Gooseberries

Large Quantities for the Coming Season's Trade

Heavy Vines for Retail Trade

Send in Your List for Net Prices

# Activities of Horticultural Societies

## AMERICAN POMOLOGICAL SOCIETY

**PRESIDENT**—Prof. W. N. Hutt, Raleigh, N. C.  
**FIRST VICE-PRESIDENT**—Prof. W. T. Macoun, Ottawa, Canada.  
**SECRETARY**—Prof. E. R. Lake, Washington, D. C.  
**TREASURER**—Prof. L. R. Taft, East Lansing, Mich.  
**EXECUTIVE COMMITTEE**—Prof. William R. Lazenby, Columbus, O.; Prof. F. C. Sears, Amherst, Mass.; E. W. Kirkpatrick, McKinney, Tex.; J. L. Dumas, Dayton, Wash.; Prof. C. I. Lewis, Corvallis, Wash.

## STATE HORTICULTURAL SOCIETIES

**ALABAMA**—J. C. C. Price, Auburn.  
**ARKANSAS**—F. G. Robb, Springdale.  
**CALIFORNIA**—Prof. A. J. Cook, Sacramento.  
**CONNECTICUT**—H. C. C. Miles, Milford.  
**FLORIDA**—O. C. Painter, Box 178, Jacksonville.

**GEORGIA**—T. H. McHatton, Athens.  
**IDAHO**—I. L. Traux, Meridian.  
**ILLINOIS**—A. M. Augustine, Normal.  
**INDIANA**—M. W. Richards, Lafayette.  
**IOWA**—Wesley Greene, Des Moines.  
**KANSAS**—O. F. Whitney, N. Topeka.  
**KENTUCKY**—Prof. J. H. Carmody, Lexington, Ky.  
**MAINE**—E. L. White, Bowdoinham.  
**MARYLAND**—E. P. Cohill, Hancock.  
**MASSACHUSETTS**—Horticultural Society—William P. Rich, Boston.  
**MASSACHUSETTS**—Fruit Growers' Association—F. Howard Brown, Marlboro.  
**MICHIGAN**—Robert A. Smythe, Benton Harbor.  
**MINNESOTA**—A. W. Latham, Minneapolis.  
**MISSOURI**—H. S. Wayman, Princeton.  
**MONTANA**—M. L. Dean, Missoula.  
**NEBRASKA**—J. R. Duncan, Lincoln.

**NEW JERSEY**—Howard G. Taylor, Riverton.  
**NEW YORK**—State: E. C. Gillett, Penn Yan.  
 Western New York: John Hall, Rochester.  
**NORTH CAROLINA**—Prof. W. N. Hutt, Raleigh.  
**NORTH DAKOTA**—C. A. Clunberg, Hankinson.  
**OHIO**—F. H. Ballou, Newark.  
**OREGON**—C. D. Winton, Portland.  
**PENINSULA**—Wesley Webb, Dover.  
**PENNSYLVANIA**—J. A. Runk, Huntingdon.  
**SOUTH DAKOTA**—Prof. N. E. Hansen, Brookings.  
**TENNESSEE**—R. G. Briggs, Knoxville.  
**TEXAS**—G. H. Blackmon, College Station.  
**UTAH**—W. H. Homer, Pleasant Grove.  
**VERMONT**—M. B. Cummings, Burlington.  
**VIRGINIA**—William Massey, Winchester.  
**WASHINGTON**—M. Horan, Wenatchee.  
**WEST VIRGINIA**—Corleton C. Pierce, Ronney.  
**WISCONSIN**—F. Craneheld, Madison.  
**WYOMING**—Prof. Aven Nelson, Laramie.

## N. Y. Growers at Poughkeepsie

Opening a three days' session at the State Armory in Poughkeepsie, N. Y., February 16, the New York State Fruit Growers' Association put on display one of the best exhibits of apples and young trees ever seen in that section. The main or drill floor was reserved for convention meetings, while the big basement space was given over to exhibits.

Frederick Vail, who is the fruit king of Milton-on-Hudson, was represented by a large booth labeled "Hudson River Fruit Exchange Inc." This incorporation handles everything, except the land, required in the production of fruit. Mr. Vail has recently become the owner of a Dutchess fruit farm of large area, which his son will manage. He thinks the Dutchess side of the river is destined to make fully as wonderful a record on fruits as the west side.

Kelly Brothers of Dansville, N. Y., had a great display of fruit trees, besides roses, evergreens and Colorado blue spruce trees. Mr. Kelly has been 40 years in the work of developing the special lines he handles.

## Texas Horticulturists

**G. H. BLACKMON, Secretary, Dallas, Tex.**

The tenth mid-winter meeting of the Texas State Horticultural Society was held in Waco, Texas, January 4, the president, Fritz Engelhard, presiding.

The adaptability of varieties of fruits to different sections of the state was discussed, and the president urged the members to prepare lists of fruits and vegetables succeeding in his or her section, no matter where located. Another important work mentioned is that of reforesting the country. In many sections this work is badly needed, and the natural love of the members for trees will cause many of them to think seriously along this line of work. The president emphasized truck growing in Texas, showing that it is one of the biggest divisions of horticulture, also calling attention to the crops and quantities of vegetables that are being grown and marketed each year.

Orchard demonstration was the subject of an address by W. B. Lanham, extension horticulturist, College Station, Texas. The speaker discussed a recent trip through the principal orchard sections of Texas, and outlined some of the horticultural extension work his office is planning. He said that they are going to establish home orchards in different sections of the state where such work is desired. These orchards to be grown and managed in co-operation with the home owners. Other extension work was also discussed.

Perhaps one of the most interesting subjects was that of the "Home Beautiful," by

John S. Kerr, Sherman, Texas. Mr. Kerr said in part: "The home beautiful question is paramount to any of the vital questions of our day. In this prairie country out door improvements, such as orchards, vineyards, berries, lawns, shade trees, blooming shrubs, roses, evergreens, pergolas, trellises, etc., judiciously handled, would wonderfully transform, beautify and enhance our farm home, and exert an untold influence upon the happiness and general uplift of our people. Most farm home owners are not landscape architects. Really the average good farm home owner would do well to employ a landscape architect to plan his outdoor improvements, giving full detail specifications of what and where to plant. This is just as important as to have an architect to plan the house or barn." Mr. Kerr then discussed the general arrangement for a planting around the farm home. Great interest was taken in this subject by those present.

Another important address was that of the "Place of Horticulture On the General Farm," by D. N. Barrow, Dallas, Texas. The "Horticultural Work of the Texas Experiment Station," was discussed by B. Youngblood, director, College Station, Texas. Another subject of importance was that of the control of insects and diseases, by Ed. L. Ayres, Austin, Texas.

## Georgia Horticulturists

**T. H. McHATTON, Secretary**

The winter meeting of the Georgia Horticultural Society was held January 17, 18, 19 at Athens, at the Georgia State College of Agriculture. One of the papers that created much interest was "Marketing Georgia's Perishable Products," by W. B. Hunter, president of the Georgia Fruit Exchange. The discussion was led by N. E. Marshburn, market agent of the A. B. & A. Railroad. A great many points of interest to the producers of horticultural products were brought out in this paper and discussion. Another highly interesting paper was on "Medicinal Properties of the Apple," by Dr. L. C. Hardman, of Commerce, Ga. One of the most scientific discussions of the meeting was the paper on "Scuppernong Grapes," by H. P. Stuckey, of Experiment Station, Experiment, Ga.

The officers are: R. C. Berckmans, Augusta, Ga., president; B. W. Hunt, Eatonton, Ga., vice-president; T. H. McHatton, Athens, Ga., secretary; J. B. Wight, Cairo, Ga., treasurer.

A Directory of the Nursery Trade, revised monthly—"American Fruits Magazine."  
 Is it on your desk?

Just say you saw it in AMERICAN FRUITS.

## Niagara Peninsula Growers

One of the most influential and effective organizations in Canada today is the Niagara Peninsula Fruit Growers' Association, which has just observed its 20th birthday, having been organized in 1896.

The associations number about 300, covering the leading fruit farmers in four counties, Lincoln, Welland, Wentworth and Haldimand counties.

Since its organization the Fruit Growers' Association has brought the fruit growing business up to a scientific and business-like basis, and by reason of co-operation and an intelligent interchange of ideas, many of the pests which beset the fruit trees have been successfully handled.

One of the especially good things which the association has brought about is the successful methods applied in fighting the San Jose scale, which a dozen years ago threatened to bring about the destruction of the entire peach orchards of the Niagara fruit belt. Furthermore the association has been the means whereby a lot of good legislation relating to fruit packing has been enacted by parliament, the express laws have been improved and the public as well as the fruit growers themselves protected.

The members of the association are among the district's most enterprising and prominent citizens.

## Bridge Grafting Fruit Trees

Regarding a method of saving trees that have been girdled by mice or rabbits or seriously injured by blight or other diseases, the U. S. Department of Agriculture says:

"Bridge grafting, the use of scions or small limbs to connect the cambium above and below a large wound or girdled strip, may be practiced successfully on almost any kind of fruit tree that can be propagated readily by grafting. It is used more often with the apple than any other fruit, but pear trees often are treated in this way, especially in certain sections. There seems to be no reason why the method should not also be successful on plums and cherries. Peaches, however, graft less readily and there may be some question as to the usefulness of the method in the case of this fruit. While seldom used on shade or other ornamental trees, W. F. Fletcher writes that this method of grafting probably would prove successful in overcoming certain types of injuries to them.

John Watson, Newark, N. Y., has been appointed sole agent in United States and Canada for S. Spooner & Sons, Hounslow, England, nurserymen. Until this time this well-known English firm had no representatives at any point.



## POLISH PRIVET

The only absolutely hardy privet yet known

Introduced from Poland, Russia, by the Iowa State College, over twenty years ago and has been tested and found hardy from Nova Scotia to Vancouver. Send for our circular No. 2, which gives full description and History; also testimonials from over fifty prominent Horticulturists and Growers in the Northern U. S. and Canada. What's the use to monkey with a privet that kills back every few winters. Plant the Polish it never winterkills, is a fine grower, propagates easy, has a beautiful dark green foliage thruout the season, nearly evergreen. We have a large stock in all grades, at reasonable prices. Ask for our Whole sale Surplus List of Large Shade Trees, also Specimen Evergreens including Norway Spruce, White Pine, Arbor Vitae in all sizes up to 10 ft. General line of Fruit Trees, Small Fruits, Shrubs, Hardy Perennials, etc. Write today. Address,

Irvin Ingels, Prop. HOME NURSERY, LaFayette, Ills.

## Forest Seedlings, Trees and Ornamental Shrubs

A COMPLETE LINE OF

Altheas, Berberry, Calycanthus, Cornus Stolonifera, Deutzias, Forsythias, Privets, Laurus Benzoin, Spireas, Weigelas, Maples, Chestnuts, Red Buds, Hackberry, Persimmons, Elms, Poplars, American Beech, Japan Walnuts, Butternuts, Etc.

TRADE LIST NOW READY; ASK FOR SAME

Forest Nursery & Seek Co.

McMinnville, Tenn.

Large stock CLEMATIS PANICULATA,

2-year and 3-year

Also SHRUBS and HERBACEOUS PLANTS for Spring 1916

T. R. NORMAN

PAINESVILLE, O.

(Successor to Norman & Hacker)

### Our Price List of Ornamental Nursery Stock

Has been mailed to the trade. In case you did not receive it, send for it

AUDUBON NURSERY

Box 731

WILMINGTON, N. C.

"A paper which gives the best value to the reader will give the best value to the advertiser as well. I don't think there is any argument about the soundness of this view."  
—M. Dumont, Chicago, Ill., in Printer's Ink.

### The Art of Landscape Architecture

By SAMUEL PARSONS

Fellow of the American Society of Landscape Architects; author of "Landscape Gardening," etc.

An octavo volume of 347 pages with 57 illustrations, setting forth the underlying principles of landscape gardening. The chapters consider lawns, plantations, roads, paths, grading, rocks, water, islands, location of buildings, laying out of grounds, scope and extent of estates, maintenance, gardens and parks.

Price \$3.65

American Fruits Publishing Co.

Rochester, N. Y.

## NORTH CAROLINA PEACH SEED

The Kind that Produces Results

"Safety First"—Plant Peach Seed from Van Lindley and have no regrets

J. VAN LINDLEY NURSERY CO.  
POMONA, N. C.

SEEDLINGS, SHADE TREES  
APPLE TREES

Write for latest Trade List

WHITING NURSERY CO.,

1010 Grove Ave.

Yankton, S. D.

## STANDARD PUBLICATIONS

American Fruits (Monthly)

International Trade Journal of Commercial Horticulture  
\$1.50 per year; Canada, abroad, \$2.00  
Advertising rate: \$1.40 per inch

Nursery Trade Bulletin (Monthly)

Seasonable Want Lists and Offerings for Nurserymen: Growers and Dealers  
\$.50 per year; Canada, Abroad, \$.75  
Advertising rate: \$1.40 per inch

Year Book—Directory (Biennial)

Of the Nurserymen of the United States and Canada  
\$1.00 per copy, postpaid  
Advertising rate: \$2.00 per inch

American Nut Journal (Monthly)

Only National Publication Devoted to Nut Culture of All Kinds  
\$1.25 per year, Canada, abroad \$1.75  
Advertising rate: \$1.00 per inch

These are the Standard Publications of the kind. Based upon 22 years' experience in the Horticultural Field. Endorsed by leading authorities everywhere. Absolutely independent. Address

American Fruits Publishing Co., Inc.

121-123-125 Ellwanger & Barry Bldg.,  
ROCHESTER, N. Y.

### TREES

Largest assortment in New England. Evergreens, deciduous trees, both common and rarer varieties. Sturdy, choice stock that can be depended upon. Send for catalogue and special trade prices.

The Bay State Nurseries  
North Abington  
Mass.

### SHRUBS

This New England soil and climate produces fine sturdy shrubs. Special trade prices. By the thousands, hardy Native and Hybrid Rhododendrons—transplanted and acclimated. Send your lists.

## AURORA NURSERIES

We offer for the Spring 1916

### ORNAMENTAL SHRUBS, HEDGE PLANTS, SEEDLINGS, CUTTINGS AND TRANSPLANTS

Our new wholesale list tells you the story about our BIG stock of the above choice items which are clean, healthy and vigorous. Send for our trade catalogue today

A Surplus List will be sent request

AURORA NURSERY COMPANY

AURORA, ILLINOIS

## 2,331,757 Nursery Trees Burned

WILMON NEWELL, Fla. Plant Comr.

Up to the present time citrus canker has been found in only twenty-one of the fifty-one counties of Florida.

Citrus canker has been found in 378 properties of the state, and there have been thirty-six foci, or centers of distribution.

The number of infected trees planted in groves and found infected up to the present time in 10,396. These have all been burned, and along with them, with the owners' consent, 47,227 other grove trees which have been exposed to infection, but which had not shown visible canker at the time they were destroyed, making a total of 57,668 grove trees destroyed on account of the disease, the great majority of them being four years of age and younger. As there are from 13,000,000 to 20,000,000 trees, according to different estimates, in the citrus groves of the state, these figures show how effectively the disease has been limited in its spread.

Up to the present time 146,123 nursery trees have been found infected. These have been destroyed and along with them, with the owner's consent, 2,185,634 nursery trees which had been exposed to infection have been destroyed, including seedlings. It should not be thought that the destruction of these trees will affect the price of citrus nursery stock or cause any scarcity of the latter. The records of the Nursery Inspector show that there are approximately 20,000,000 citrus trees, of which fully half are already budded, now in the certified nurseries of Florida alone. The precautions now thrown about citrus nurseries are so thorough that there does not appear to be any possibility of infected trees, or trees exposed to infection, being shipped out of Florida nurseries in the future.

Out of the 378 premises on which canker has been found 94 premises have been declared "clean" by the Plant Board, and the quarantines imposed by reason of the infections have been raised, except that the replanting of citrus trees in that infected properties is not yet permitted.

**Caterpillar on Catalpa Trees**—While our native species of catalpa are comparatively free from insect attack, owners of these trees should watch in the summer and even early fall for the appearance on them of large yellow and black caterpillars. If these feed voraciously on the leaves, they are in all likelihood the larvae of the catalpa sphinx, which commonly are the only ones which feed on catalpa foliage. Unless controlled when present in large numbers, these caterpillars may do considerable injury, sometimes completely stripping the leaves from an entire grove. This caterpillar may be looked for in any region where the catalpa grows. It has done damage in all the Coast States from New Jersey to Alabama, and has been noted in West Virginia, Kentucky, Ohio, Indiana, Illinois, Missouri, Arkansas, Oklahoma and Texas. The caterpillar, however, ordinarily does not appear in one locality year after year. It may be unnoticed for several years and then suddenly will appear in large numbers and do considerable local damage.

**To Control Leaf Roller**—A comparatively new pest in the orchards of the state is the fruit-tree leaf roller, according to the entomologists of the New York state college of agriculture, who have just issued a bulletin on the subject. The insect was first discovered in this state in injurious numbers in a Genesee county orchard, and has since appeared in Monroe county in great numbers, and less abundantly in other localities. The pest is very erratic in its distribution, and is likely to appear in widely separated places. Apples, pears, plums, cherries, and, to a lesser extent, peaches, are liable to injury from its ravages. The college authorities state that the leaf roller is difficult to control because of its habit of hiding in the opening buds or in rolled leaves. Experiments show that the eggs of the leaf roller are susceptible to the effect of miscible oils, which, when thoroughly applied, have destroyed from 74 to 92 per cent. of the eggs. The oils should be applied in the spring at the active growing period of the tree but always before the buds burst, and a spray of 1 gallon of the oils to 15 gallons of water is recommended, the spraying to be done on a day when the temperature is above freezing. The authorities state that only one application is necessary.

Just say you saw it in AMERICAN FRUITS.

## Insects For Preparedness

In a brush and weed covered ravine, near an unsprayed, unpruned and neglected orchard, the Annual Field and Orchard Insect Congress of Missouri was held recently.

The following officers were elected for the coming year: President, Hessian Fly; vice-president, San Jose Scale; secretary-treasurer, Cinch Bug. Other delegates were: Army Worm, Corn Root Louse, White Grub, Wire Worm, Cut Worm, Corn-Ear Worm, Codling Moth, Curculio, Fruit Tree Borer and Bark Beetle. At the close of the meeting resolutions were adopted declaring that field and orchard insects in Missouri are capable of doing \$15,000,000 damage to Missouri crops this year. Each delegate promised to return to his own field and begin his work of cutting down the farmer's crop profits.

It was admitted by the committee on preparedness, headed by Hessian Fly, that if the farmers of the state who attended the recent annual Farmers' Week at the University of Missouri at Columbia made use of their knowledge of how to combat the pests, the insects could have little effect on the orchards and fields.

The committee recommended that destructive operations be carried on in places where farmers had become discouraged because their sprays, made of strong lime-sulphur and miscible oils, had been used with little or no effect. San Jose Scale, however, admitted that his tribe could accomplish nothing where farmers used sprays at their proper strength and did their work thoroughly.

Farmers who hold to the theory that "We have always had insects, they will always be here, there is no use trying to fight them; Just depend upon the weather and the Lord," were especially commended by the insect convention. The bugs admit that, with the farmer who takes his work seriously and who is determined to win, their chances for destruction of crops is very small.—Joplin, Mo., News-Herald.

Have you your copy  
American Fruits  
Directory of Nurserymen?  
1915 Edition



One of the Large Fields of Everbearing Strawberries on Grounds of the Gardner Nursery Company, Osage, Iowa



## JAYNE & BAKER

PAINESVILLE, O.

### European Sycamores

For lining out. Stocky trees; good roots; straight leaders, in 2-3 and 3-4 feet.

### Privet

Amoor River North 18-24 and 2-3 feet; well branched.

California in all grades; heavy and well branched.

### Barberry Thunbergii

Very fine; 18-24 and 24-30.

### Spirea Van Houttei

Heavy and fine; 2-3 and 3-4 feet.

WE ARE MAKING SPECIAL PRICES—WRITE

## Hill's Evergreens

YOU can work up a good profitable trade in Evergreens if you have the right kind of stock. Our main specialty for over half a century has been the propagation of young Evergreen stock for the wholesale trade in immense quantities at low prices.

We have all the leading varieties in small sizes, for all purposes, suitable for lining out to grow on for your trade.

Nurserymen who have heretofore depended on Europe for their young Evergreen plants can now be assured of a good reliable source of supply right here in America, and we solicit the opportunity of quoting on your requirements.

"Made in U. S. A." and "American Stock for American Planters" should, from now on, more than ever, be the slogan of American Nurserymen, for it means "money saved in the long run" to start with nice, strong, sturdy, vigorous American-grown stock which has been produced right here in America.

YOU want to keep posted on Evergreens;  
WE want to become better acquainted with you;  
Let's get together.

THE D. HILL NURSERY CO., Inc.  
EVERGREEN SPECIALISTS

Largest Growers in America

Box 402

DUNDEE, ILL.

### SOMETHING NEW

#### URAL WILLOW

A new hedge plant found very desirable for trying positions. Gives a splendid hedge in three years. Brought by Prof. Hansen from Siberia. Perfectly hardy, and easy to handle.

#### RHAMNUS FRANGULA

The red rooted Buckthorn. Found especially desirable where Rhamnus Catharticus is subject to attacks of Green-Aphis, which do not trouble Frangula.

A fine stock of both these Hedge plants on hand at reasonable prices.

Scarlet Trumpet Honeysuckle—2 year strong

Ampelopsis Englemanni—2-1 and 1-1.

Other Shrubs—A general line in Surplus.

BRAND NURSERY CO.

Faribault, Minn.

### "How to Grow Roses"

This little book, of 86 pages, was declared by Bishop Mills, before the audience assembled at Cornell University during Farmers' Week, to be "the best thing of the size I have ever seen." Price 10c. Single copies will be sent to members of the trade who mention American Fruits.

The Conard & Jones Co.

WEST GROVE, PA.

## Arbor Vitae

I have to offer for next spring planting a few thousand each of the following varieties of Thuja:

Occidental Pyramidalis, Compacta, Siberica, Elwangeriana, Tom Thumb, Ericoides, 2-year, pot-grown, suitable for lining out.

First class in every respect, price reasonable.

THOS. A. McBETH

E. High St.

Springfield, Ohio

## LINING OUT STOCK

—OF—

BARBERRY THUNBERGII  
AMOR RIVER NORTH PRIVET  
IBOTA PRIVET  
POLISH NEW HARDY PRIVET

Also heavy stock up to 3-4 ft.

Send for Catalogue

ONARGA NURSERY COMPANY

ONARGA, ILL.

### ARE YOU INTERESTED

In choice young ornamental Nursery Stock for transplanting lining out, or mail orders? If you are, get next to our Trade List of genuine bargains, in Oriental Planes, Nut Seedlings, Oaks, Ash, Ontalpa Speciosa, Honey and Black Locust, in large quantities, besides hundreds of other varieties, both deciduous and evergreen. Peach Trees, Dahlia Bulbs, etc., etc.

ATLANTIC NURSERY CO., Inc.

BERLIN, MARYLAND

WANTED—Tree Seeds of all kinds

### Want to Correspond

With salesmen covering Southern States to appoint local dealers and handle Pedigreed Pecan Trees. Commission.

Florida Nursery & Trading Co.

Lockhart, Ala.

### WANTED

A YOUNG MAN WITH A FUTURE

For Agency Correspondent

A Fine Opportunity

Address Lock Box 76.

Menree, Mich.

## INCREASE YOUR SALES THIS SPRING BY PUSHING WHITE PINE

It has More of What Sales Experts term SELLING POINTS Than Any Other Tree

THE BEST TREES AT THE LOWEST PRICES, RANGING FROM 1 TO 4 FEET IN HEIGHT  
TWICE TRANSPLANTED—ROOT PRUNED—NEW ENGLAND-BORN AND NEW ENGLAND-GROWN

Write Today for our New Tree Catalog

Evergreens, Hardwoods and Shrubs in all Desirable Varieties. Many Millions of Trees for Ornament and Shade, for Hedges, Windbreaks and Forests.



Little Tree Farms of America

NEAR BOSTON

"THE NURSERY FOR NURSERYMEN"

AMERICAN FORESTRY COMPANY

Dept. 3, 15 Beacon St.,

BOSTON, MASS.

## Question of Tariff on Imported Nursery Stock

In the course of a discussion on the tariff at the last meeting of the Western Association of Nurserymen F. A. Weber, Nursery, Mo., said:

"The question does not seem to be so much the tariff that we pay. The thing that we are facing just at the present time is going to materialize to our surprise, before next spring, in my estimation. The tariff on ornamental stock, in my estimation, is entirely too low for the American grower to attempt to grow young stock to sell to the planter in competition with this foreign stock. I think it is 15 per cent ad valorem. Now, I know a number of nurserymen throughout this country who are endeavoring to grow a line of small stock along the lines of the French nurserymen, and that the prices published by the French nurseries with the 15 per cent ad valorem duty added makes it impossible for them to compete. On the other hand, in Holland they have no market for their ornamental goods except the United States, and we are going to be the dumping ground of these countries, such as Holland, France and England. There is no question about it. Those countries at war will not need the ornamental stock; they have no use for it. Germany was the biggest buyer of Holland's nursery stock over there. Reports go to show that Germany will not need any nursery stock for many years to come. They cannot take care of their business, and the Hollanders even tell me personally that they don't expect to do anywhere near the business in Germany in the next ten or fifteen years that they did before, consequently those people must find a market for their products, and they will send them over here, coming in in single cases and by the thousand. You will find the auction rooms in New York and St. Louis full of this stock. It is going to go to somebody. I signed a petition to our Congressman requesting Congress to take some action on this stuff being promiscuously transported to this country, without a consignee, and we are not the only line of business that will be affected by this condition. There are others. The St. Louis business men in all lines are beginning to feel the effect of it. Also in New York, I understand. Goods are being shipped over here without consignee to be sold at any price they can get. Those fellows come over here and sell at as high prices as they can and then they fix up the surplus and send it here to some broker, and it is auctioned off, and goes into the department store, to come in direct competition with the same stock they sold you early in the season.

"It is the intention to have Congress pass some act whereby a foreign house must have some consignee who is the buyer of the stuff—not some subterfuge, some one to ship to who is not responsible. Before I left, we

had a telephone call from some broker, who would not give his name, telling us that there was a lot of stock down in one of the warehouses; that they couldn't find the fellow it was consigned to. He said: 'If you want to make a good haul and get something cheap, come down. I guess you can get it all for duty and a little freight.' Now, that stock is going somewhere. Somebody is going to get it. Now, I don't know who the man was; he told me where I could find the stock; the custom dues were not paid on it. Somebody has got to pay the duty. Somebody has got to pay that sure, but the shipper has taken the chances, but whatever he gets out of it is gravy for him. Somebody has got to pay it, and it will come in direct competition with the man who bought the goods early in the season. What Congress will do, I don't know. Something should be done to stop this promiscuous shipping to an unknown consignee or to a blind name. That stuff comes over here and is dumped on the market. Last spring I noticed there were several hundred cases down in Massachusetts consigned to some nurseryman, and he was trying to dispose of it for enough to pay duty, freight and his commission."

H. D. Simpson: "As far as we are concerned the tariff protects us all right; \$1 a thousand on all grades. Of course, if you thought it would be better for all of us to increase it to \$2 or \$3 we would not object in any way. The cost of stocks to begin with is a very small matter, as you all know. I imagine if they have a pretty good crop over there, judging from the prices they are making, if they use the same method as the foreigners do in dumping it over, it will make some cheap stuff. No question about that."

W. C. Reed: "I was much interested in Mr. Weber's statement. There is one thing in regard to the importing of seedlings that there we need protection more than we do high tariff—that is the shipping in of the surplus of the importers in New York and then practically dumping it, selling it to whoever they can sell to on any kind of terms. For instance, at Dansville, in New York, this spring; there were three carloads of trees sent there this spring. They would sell the stock to anybody who would give a note for six months, or a year, or any other time, and that does a great deal more damage, I think, and hurts business a great deal more than the tariff law. I don't think it is a fair proposition to the rest of us who

place an order, contracting to pay our bills when they are due, and then have these importers come in with the surplus of these same goods and dump them in onto our market at any price."

J. H. Dayton: "The firm getting the Mahaleb stock in France has got a right to sell it in any market at any price he sees fit, just the same as I have or any of us have, and for us to say to some politically appointed man in New York: 'Here is a stock of goods which is a surplus and ought not to be sold on this market cheap'—you are giving a man too much power when you give him the right to say it shall be dumped. You are putting too much power into his hands, and it is something which is liable to cause us trouble in the future. I say that when a man has a surplus stock there is no law that will prevent his selling it here if he can, so long as he pays the tariff. Of course, if we increase the tariff, I am not talking against that, but when you say you are going to put a ban on shipments of stock from Holland or France or England sent in here without a consignor, to a commission man for sale, by giving some man over here the power to say whether that stuff can come in or that stuff cannot, we are creating a condition which is going to hurt us. I am thoroughly convinced of it. If we don't know enough to take care of his surplus and if the Frenchman doesn't know enough to take care of his surplus that is up to him."

F. H. Stannard: "I feel like Dayton does on the tariff. What we can do at the proper time in the matter of revision of the tariff has to be discovered at the time. But the matter of fixing what stock may or may not be shipped, or what may or may not be considered as a surplus, would be a waste of time I think to consider it. I think if anyone has a stock to sell, he has a perfect right to dispose of it where he can find a market. The fellow who can use it has a right to buy it. I don't believe anything we can do here would amount to a row of pins."

J. H. Skinner: "Gentlemen, it seems to me we are spending a good deal of time on this question, and I don't see where we gain anything by it. There are conditions which we can change, and things which we cannot; and this seems to be one of the things which we cannot do very much good in talking about it. I think I have a right to sell stuff that comes to me at any price I see fit. The man sends it to me, and if I pay the duty, it is mine, and I can do as I see fit. The man sends it to me, and if I pay the duty, it is mine, and I can do as I please with it. I think we are wasting time. There is no way to stop it. If I have the right, the other men have the right. You cannot say to me I cannot sell what I get from Holland and France, and you cannot keep the other man from doing the same thing."

### Our Specialty Grape Cuttings

Write for Prices

D. A. BELLIS, Penn Yan, N. Y.

## Encyclopedia of Practical Horticulture



EDITED BY Granville Lowther and Wm. Worthing and 200 specialists who understand the needs of farmers west as well as east and who have no illusions about what you have to do to make your business pay.

Every phase of crop production and in particular the entire field of out door horticulture. Large space devoted to apples, pears, plums, cherries, peaches, all small fruits, nuts, melons, tomatoes, beans, all the vegetables from the standpoint of the small and large producer, flowering plants.

Important statistics of crop production. 156 pages of maps, charts, tables, spray formulae, spraying calendars, planting tables, gardeners tables, frost and rainfall, best sellers, soil requirements, fertilizers, and many others.

Four volumes handsomely bound in durable buckram. 2064 pages of condensed information. 4500 subjects carefully indexed and cross referenced. 750 illustrations, and colored plates. Printed on grade paper in very clear type.

Complete set sent prepaid on receipt of \$1.00. Balance to be paid in seven monthly installments of \$3.00 each

American Fruits Publishing Co., 39 State St., Rochester, N. Y.





## WANTED

Nurserymen to draw on us for  
the following:

PEACH, APRICOT, APPLE, PEAR,  
PLUM, CHERRY, PECANS, ROSES and OTHER  
ORNAMENTALS

**HEIKES - HUNTSVILLE - TREES**

All our own growing. In good assortment. Prices right.

**HUNTSVILLE WHOLESALE NURSERIES**

HUNTSVILLE, ALA.

## American Nut Journal

*Devoted to Nut Growing Interests  
Generally Throughout the Americas*

A National and International Monthly  
Publication for the Advancement of a  
Rapidly Developing Industry and a Most  
Important Food Supply. Broad in Scope  
and High in Character. Endorsed by the  
Leading Authorities in Nut Culture.

**American Fruits Publishing Co., Inc.**

123-125 Ellwanger & Barry Building  
Rochester, N. Y.

SUBSCRIPTION \$1.25 PER YEAR  
ADVERTISING RATE \$1.00 PER INCH

## Vincennes Nurseries

W. C. REED, Prop. VINCENNES, IND.

### Cherry Trees

### Cherry Trees

The best that is possible to produce. Good  
Tops and fine Roots. Foliage held until frost,  
insuring plenty of vitality; the kind that grow.

Try our 11-16 up One Year. Ask for sample.

Also General Line of other Nursery Stock.  
Japan Plums 11-16 up, One Year, are very fine.

Hardy Budded Northern Pecans and English  
Walnuts.

## The Willadean Nurseries

OFFER A VERY COMPLETE LIST OF  
**Ornamental Trees, Shrubs, Ever-  
greens, Vines and Herbaceous Plants**

A LIMITED STOCK OF  
**FOREST TREE SEEDLINGS**

and would advise placing orders early for seedlings. Forest  
Tree Seeds in limited supply. Prices quoted on application.  
Trade list ready.

**THE DONALDSON CO.**

Sparta, Kentucky

## American Fruits

### INTERNATIONAL TRADE JOURNAL OF COMMERCIAL HORTICULTURE

\$1.50 per Year  
Canada and Abroad, \$2.00

GENERAL OFFICES: 123-125 Ellwanger & Barry Bldg., ROCHESTER, N. Y.

Advertising Rate  
\$1.40 per inch

### A BUSINESS OPPORTUNITY

IF IT WOULD BE AN OBJECT TO YOU TO PLACE YOUR BUSINESS ANNOUNCE-  
MENT BEFORE THE LARGEST CULTIVATORS OF FRUIT LANDS IN THE UNITED  
STATES, THE LEADING ORCHARDISTS AND GENERAL FRUIT GROWERS IN THE  
STATE AND DISTRICT HORTICULTURAL SOCIETIES THROUGHOUT THE COUN-  
TRY—THE CARLOT OPERATORS—AND IN ADDITION EVERY NURSERYMAN  
CULTIVATING TEN ACRES OR MORE AND MANY SMALLER ONES, YOU CAN DO  
IT THROUGH "AMERICAN FRUITS;" AND WE KNOW OF NO OTHER WAY TO DO  
IT SO EFFECTIVELY AT SMALL COST. THE RATE IS \$1.40 PER COLUMN INCH.

IN ORDER TO START ADVERTISEMENT IN THIS BUSINESS MAN'S PUBLI-  
CATION WITH THE FORTHCOMING ISSUE, WE SHOULD HAVE COPY NOW; LAST  
FORMS CLOSE ON THE 25TH OF EACH MONTH. THERE IS A DISCOUNT OF 25  
PER CENT ON YEARLY TERM CONTRACTS.

ABOVE RATES ARE FOR ADVERTISING PLACED DIRECTLY WITH THE PUB-  
LISHER BY THE ADVERTISER. WHEN PLACED THROUGH A COMMISSION  
AGENCY, 25 PER CENT IS ADDED.

AMERICAN FRUITS PUBLISHING COMPANY.

*22 Years in the Horticultural Field  
Only National Publication of the Kind*



## Harrison Peach Trees are Guaranteed

to please both you and your trade. We have the finest lot of one year budded peach trees this season that we ever grew. They will make good, if given just half a chance. Note list below, especially our offering of such leading varieties as Carman, Champion, Belle of Ga., Ray and Elberta.

Let us have your **WANT LIST** now. You will be pleased with our prices and the exceptional quality of our trees.

PEACH TREES, 1 year budded													
1 in. 7-8	2 6-7	9-16 5-6	4 4-6	3-8 3-4	2-3		1 in. 7-8	2 6-7	9-16 5-6	4 4-6	3-8 3-4	2-3	
Beer Smock .....	2000	4000	200	600	200		Mamie Ross .....	300	300				
Belle of Georgia .....	7000	14000	25000	23000	23000		Matthew .....	400	400	200	600	500	
Carman .....	900	2900	6000	7000	5000		McAllister .....	200	400	200	200		
Champion .....	1200	5000	11000	6000	5000		Moore's Fav .....	200	800	1700	900	600	200
Early Crawford .....				1300	3700	1900	Mt. Rose .....	2400	1300	2600	2200	2600	400
Easton Cling .....	200	400	500	400	400	300	New Prolific .....	200	600	400	200	200	
Ede .....		500	1000	400	300	200	Niagara .....			900	700		
Edmont Bty .....		300	500	500	500	200	Old Mixon Free .....			600	2400	1400	
Elberta .....	6000	14000	21000	16000	16000	7000	Ray .....	3000	5000	9000	9000	5000	
Engles, Mam .....			700	800	1000	400	Ringgold (Wilkin's Cling) .....			400	600	400	300
Ford's Lt. .....			200	1800	2900	1100	Salway .....			3000	1800	2800	1400
Fox Seedling .....		500	1700	900	1100	600	Slapway .....	200	800	1200	1200	700	
Francis .....		600	1200	500	700	300	Stephen's .....		500	800	200	200	
Geary's Hold-On .....		200	500	700	1600	800	Stump .....	400	3600	3300	900	200	
Greensboro .....	300	1500	700				Waddell .....		300	700	200	200	
Hieley .....		300	1900				Walker's .....		400	800	200	200	
Iron Mountain .....				400	2200	400	Willett .....		400	800	200	200	
Kalamazoo .....	200	400	600	600	600	400	Wonderful .....	200	1300	1200	1900	1400	
Levy .....		200	200	200	200	200							

ASK FOR SPECIAL PRICES

**Harrisons' Nurseries**  
J.G. HARRISON & SONS PROPRIETORS  
BERLIN MARYLAND



